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1895/96

PROGRAM
OF
GRADUATE COURSES.


BRYN MAWR COLLEGE.

1895.

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1895.



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BRYN MAWR COLLEGE.

COLLEGE CALENDAR.

1895.

JANUARY.

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FEBRUARY.

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APRIL.

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OCTOBER.

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DECEMBER.

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1896.

JANUARY.

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MAY.

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JUNE.

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The present academic year will close with the Conferring of Degrees by the Trustees at eleven o'clock, on June 6th, 1894.

There will be a winter recess from December 19th, at one o'clock, to

January 7th, at nine o'clock ; and a spring recess from April 10th, at one o'clock, to April 18th, at nine o'clock.

The first semester will end February 8th ; half-yearly examinations will be held during the last two weeks of the semester, from January 28th to February 8th.

The second semester will begin February 11th, at nine o'clock.

The lectures and class-work of the eleventh academic year will begin October 1st, 1895, at nine o'clock, and will close June 4th, 1896.

There will be a winter recess from December 20th, 1895, at one o'clock, to January 6th, 1896, at nine o'clock ; and a spring recess from April 1st, at one o'clock, to April 9th, at nine o'clock.

The first semester will end February 7th, 1896 ; half-yearly examinations will be held during the last two weeks of the semester, January 27th to February 7th.

The second semester will begin February 10th, 1896, at nine o'clock.

BOARD OF TRUSTEES.

JAMES E. RHOADS,*
President.

JOHN B. GARRETT,
Treasurer.

DAVID SCULL,
Secretary.

JAMES CAREY THOMAS, Baltimore.	WILLIAM R. THURSTON, New York.
JAMES E. RHOADS,* Bryn Mawr.	ALBERT K. SMILEY, Lake Mohonk.
JAMES WHITALL, Philadelphia.	PHILIP C. GARRETT, Philadelphia.
JOHN B. GARRETT, Rosemont.	EDWARD BETTLE, JR., Philadelphia.
CHARLES HARTSHORNE, Philadelphia.	HOWARD COMFORT, Philadelphia.
DAVID SCULL, Philadelphia.	JUSTUS C. STRAWBRIDGE, Philadelphia.
THOMAS SCATTERGOOD, Philadelphia.	

* Died January 2d, 1895.

Pre-1923

5/21/12

ACADEMIC APPOINTMENTS.

M. CAREY THOMAS, PH.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and the Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

JAMES E. RHOADS, LL.D.,* *Professor of Christian Ethics.*

M.D., University of Pennsylvania, 1851; LL.D., Union College, 1889; President of Bryn Mawr College, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Professor of Mathematics.*

Lincoln, England. Graduate in Honors, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

EDWARD WASHBURN HOPKINS, PH.D., *Professor of Greek, Sanskrit, and Comparative Philology.*

A.B., Columbia College, 1878; Fellow in Literature, Columbia College, 1878-81; University of Leipsic, 1878-81; University of Berlin, 1880; Ph.D., University of Leipsic, 1881; Sorbonne and the Collège de France, 1881; Assistant in Latin and Instructor in Zend, Columbia College, 1881-84.

EDWARD H. KEISER, PH.D., *Professor of Chemistry.*

S.B., Swarthmore College, 1880; Assistant in Chemistry, Swarthmore College, 1880-81; S.M., Swarthmore College, 1881; Fellow in Chemistry, Johns Hopkins University, 1882-84; Ph.D., Johns Hopkins University, 1884; Student at the Royal School of Mines, Freiberg, Saxony, 1884; Assistant in Chemistry, Johns Hopkins University, 1884-85.

HERMANN COLLITZ, PH.D., *Associate Professor of Comparative Philology and German.*

Bleekede, Hanover, Germany. University of Göttingen, 1875-78; University of Berlin, 1878-81; Ph.D., University of Göttingen, 1878; Privatdocent in the University of Halle, 1885-86.

JAMES HARKNESS, A.M. (*Cambridge and London*), *Associate Professor of Mathematics.*

Derby, England. Major Scholar, Trinity College, Cambridge, 1882; Graduate in Honors (8th Wrangler) in the Cambridge Mathematical Tripos, 1885; Mathematical Exhibitioner, London University Intermediate Arts Examination, 1885; Mathematical Scholar, London University B.A. Examination, 1887.

HERBERT WEIR SMYTH, PH.D., *Professor of Greek.*

A.B., Swarthmore College, 1876, and Harvard University, 1878; University of Leipsic, 1879-81; University of Göttingen, 1881-83; Instructor in Classics and Sanskrit, Williams College, 1883-85; Ph.D., University of Göttingen, 1884; Fellow by Courtesy and Lecturer on Greek, Johns Hopkins University, 1885-87; Reader in Greek Literature, Johns Hopkins University, 1887-88.

MARY GWINN, PH.D., *Associate Professor of English.*

Studied at the University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and the Collège de France, 1883; Fellow in English, Bryn Mawr College, 1885-87, and graduate student, 1887-88; Ph.D., Bryn Mawr College, 1888.

CHARLES MCLEAN ANDREWS, PH.D., *Associate Professor of History.*

A.B., Trinity College, 1884; Fellow in Johns Hopkins University, 1888-89; Ph.D., Johns Hopkins University, 1889.

GONZALEZ LODGE, PH.D., *Professor of Latin.*

A.B., Johns Hopkins University, 1883; Graduate Scholar and Fellow, Johns Hopkins University, 1883-86; Ph.D., Johns Hopkins University, 1886; Professor of Greek, Davidson College, 1886-88; American School of Classical Studies, Athens, 1888-89; University of Bonn, 1889.

* Died January 2d, 1895.

GEORGE A. BARTON, PH.D., *Associate in Biblical Literature and Semitic Languages.*

A.B., Haverford College, 1882, and A.M., 1885; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891.

JOSEPH AUGUSTE FONTAINE, PH.D., *Professor of Romance Languages.*

College of Sion, Naney, France, 1879; Paris, 1880-81; Johns Hopkins University, 1882-86; Ph.D., Johns Hopkins University, 1886; Collège de France, Sorbonne, Ecole des Hautes Etudes, Ecole des Chartes, University of Bonn, 1886-87; Instructor, University of Nebraska, 1887-89; Professor of Modern Languages in the University of Mississippi, 1889-91.

ARTHUR STANLEY MACKENZIE, PH.D., *Associate Professor of Physics.*

A.B., Dalhousie University, 1885; Tutor in Mathematics, Dalhousie University, 1887-89; Fellow, Johns Hopkins University, 1890-91; Ph.D., Johns Hopkins University, 1894.

JAMES DOUGLAS BRUCE, PH.D., *Associate in English Philology.*

A.M., University of Virginia, 1883; University of Berlin, 1886-88; University of Strasburg, 1888; Johns Hopkins University, 1889-90; Professor of Modern Languages, Centre College, 1890-91; Ph.D., Johns Hopkins University, 1894.

THOMAS HUNT MORGAN, PH.D.,* *Professor of Biology.*

B.S., State College, Kentucky, 1886, and M.S., 1888; Graduate Scholar, Johns Hopkins University, 1888-89; Fellow in Biology, Johns Hopkins University, 1889-90; Ph.D., Johns Hopkins University, 1890; Adam T. Bruce Fellow, Johns Hopkins University, 1890-91.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

DICKINSON SERGEANT MILLER, PH.D., *Associate in Philosophy.*

University of Pennsylvania, 1885-88; Fellow in Philosophy, Clark University, 1889-90; Morgan Fellow, Harvard University, 1890-91; Walker Fellow, Harvard University, 1891-92; A.B. and A.M., Harvard University, 1892; University of Berlin, 1892-93; Ph.D., University of Halle, 1893.

ELMER P. KOHLER, PH.D., *Associate in Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889-92; Fellow in Chemistry, Johns Hopkins University, 1891-92; Ph.D., Johns Hopkins University, 1892.

EDGAR BUCKINGHAM, PH.D., *Associate in Physics.*

A.B., Harvard University, 1887; Assistant in Physics, Harvard University, 1888-89; Assistant in Physics, University of Strasburg, 1889-90; University of Leipsic, 1890-91; Assistant in Physics, Harvard University, 1891-92; Tyndall Scholar of Harvard University, University of Leipsic, 1892-1893; Ph.D., University of Leipsic, 1893.

LINDLEY MILLER KEASBEY, PH.D., R.P.D., *Associate Professor of Political Science.*

A.B., Harvard University, 1888; A.M., Columbia College, 1889; Ph.D., Columbia College, 1890; University of Berlin, 1890-91; University of Strasburg, 1891-92; *Rerum Politicarum Doctor*, University of Strasburg, 1892; Assistant in Economics, Columbia College, and Lecturer on Political Science, Barnard College, 1892; Professor of History, Economics and Political Science, State University of Colorado, 1892-94.

ROBERT GREGG BURY, A.M., *Lecturer in Greek and Latin Literature.*

Late Foundation Scholar, Trinity College, Cambridge, England; Sir Wm. Browne's Gold Medallist, 1889; First Class Classical Tripos, Part I, 1889; First Class Classical Tripos, Part II, 1890; Bishop Berkeley Fellow in Ancient Philosophy, Owens College, Manchester, 1893-94.

ROSS GRANVILLE HARRISON, PH.D., *Lecturer in Morphology.*

A.B., Johns Hopkins University, 1889; University Scholar, 1891; University of Bonn, 1892-93; Fellow of Johns Hopkins University, 1893-94; Ph.D., Johns Hopkins University, 1894; Adam T. Bruce Fellow of Johns Hopkins University, 1894-95.

* In Europe on leave of absence for 1894-95.

ALFRED L. HODDER, *Lecturer (elect) in English.*

Graduate School, Harvard University, 1890-91; Morgan Fellow, Harvard University, 1891-92; University of Freiburg, University of Berlin, 1892-93.

PAUL ELMER MORE, A.M., *Associate (elect) in Sanskrit and Classical Literature.*

A.B., Washington University, 1887, and A.M., 1891; A.M., Harvard University, 1893; Assistant in Sanskrit, Harvard University, 1893-95.

MORTIMER LAMSON EARLE, PH.D., *Associate Professor (elect) of Greek and Latin.*

A.B., Columbia College, 1886, A.M., 1887, and Ph.D., 1889; American School of Classical Studies, Athens, 1887-88; in charge of excavations at Sicyon, December, 1887, and July and August, 1891; studied Greek Archaeology at Berlin Museum, 1889; Tutor in Latin, Columbia College, 1886-87, and Tutor in Greek, 1889-90; Lecturer in Greek, Columbia College, and Instructor in Greek and Latin, Barnard College, 1894-95.

RICHARD NORTON, A.B., *Lecturer (elect) in Archæology.*

A.B., Harvard University, 1892; American School of Classical Studies, Athens, 1892-94; University of Munich, 1894-95.

ROSE CHAMBERLIN, *Reader in German.*

Great Yarmouth, England. Graduate in Honors, Newnham College, University of Cambridge, England, 1886 (Medieval and Modern Languages Tripos, First Class).

FREDERIC M. PAGE, *Reader in Romance Languages.*

Collège Chaptal, Paris; attended Studi Superiori, Florence; Instructor in Languages, University of Virginia, 1880-82; Acting Professor of Modern Languages and Literature, University of the South, 1882-83; Professor of Modern Languages and Literature, University of the South, 1883-91.

ABBY KIRK, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1892.

HARRIET RANDOLPH, PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

FLORENCE V. KEYS, A.B., *Reader in English.*

A.B., University of Toronto, 1891; Fellow in Greek, Bryn Mawr College, 1891-92; Fellow in English, Bryn Mawr College, 1892-93; Examiner in English in the University of Toronto, 1894-95.

THERÈSE F. COLIN, A.M., *Reader in Romance Languages.*

Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Fellow in Romance Languages, Bryn Mawr College, 1893-94.

PHOEBE SHEAVYN, A.M., *Reader in English.*

Aberystwyth, Wales. Scholar, University College of Wales, 1887-89, and 1892-94; A.B., University of London, First Class Honors in English, 1889; A.M., University of London, 1894; Member of Governing Court of University of Wales, 1894.

FLORENCE BASCOM, PH.D., *Reader (elect) in Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Instructor in Geology, State University of Ohio, 1893-95.

ALICE BERTHA FOSTER, M.D., *Director of the Gymnasium.*

Graduate of Dr. Sargent's Training School for Teachers, 1886; M.D., Medical School of University of Buffalo, 1891; Anderson Summer School, Chautauqua, 1892; Studied in Baron Posse's Normal Class in Practice, Boston, and in Harvard Summer School of Phys. Ed., 1886; Director Buffalo Sanatory Gymnasium of the Women's Educational and Industrial Union, Buffalo, 1886-92; Assistant Teacher, Harvard Summer School of Phys. Ed., 1889-90; Tutor in Phys. Culture (in charge of the Women's Work), University of Chicago, 1892-94.

ELIZABETH BATES, *Assistant in the Gymnasium.*

Graduate of Boston Normal School of Gymnastics, 1893.

MARY SHERWOOD, M.D., *Lecturer on Hygiene and Physician of the College.*

A.B., Vassar College, 1883; M.D., University of Zürich, 1890; Lecturer on Pathology at Woman's Medical College of Philadelphia, 1891-95.

FLORENCE E. PEIRCE, *Librarian.*

HENRIETTA R. PALMER, A.B., *Associate Librarian.*

School of Library Economy, Columbia College, 1887-89; Acting Librarian, Bryn Mawr College, 1890-91; A.B., Bryn Mawr College, 1893.

BESSIE BAKER, B.S., *Assistant Librarian.*

B.S., Purdue University, 1886; studied in the New York State Library School, 1891-92.

FREDERICKA M. KERR, *Bursar.*

MADELINE VAUGHAN ABBOTT, A.B., *Secretary.*

ANNIE CROSBY EMERY, A.B., *Secretary to the President.*

Honorary Corresponding Secretaries.

MARY McMURTRIE, A.B., *Chestnut Hill, PHILADELPHIA.*

SOPHIA WEYGANDT HARRIS, A.B. (MRS. JOHN MCARTHUR HARRIS), 5305
Main Street, GERMANTOWN.

EDITH PETTIT, A.B., 2205 *Trinity Place, PHILADELPHIA.*

BERTHA HAVEN PUTNAM, A.B., 245 *W. 75th Street, NEW YORK CITY.*

MARGARET THOMAS CAREY, A.B. (MRS. ANTHONY MORRIS CAREY), 832
Eutaw Street, BALTIMORE.

EMILY GREENE BALCH, A.B., *Prince Street, Jamaica Plain, BOSTON.*

ELIZA RAYMOND ADAMS, A.B., 148 *New York Street, INDIANAPOLIS.*

CATHARINE BEAN COX, A.B. (MRS. ISAAC M. COX), TULARE, TULARE CO.,
CALIFORNIA.

ALYS SMITH RUSSELL, A.B. (HON. MRS. BERTRAND RUSSELL), 44 *Grosvenor
Road, S. W., LONDON, ENGLAND.*

EUROPEAN FELLOWS, AND FELLOWS AND GRADUATE STUDENTS IN RESIDENCE, 1894-95.

MARY BIDWELL BREED, . . . *Holder of the Bryn Mawr European Fellowship.*
Pittsburg, Pa. Graduate Pennsylvania College for Women, 1889; A.B., Bryn Mawr College,
1894; Graduate Student in Chemistry, Bryn Mawr College, 1894-95.

ADA ISABEL MADDISON, *Holder of the Mary E. Garrett European Fellowship.*
Reading, England. University of South Wales and Monmouthshire, 1885-89; Girton College,
University of Cambridge, England, 1889-92; Mathematical Tripos, 1892; Oxford Greats,
1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93; B.Sc., University
of London, Mathematical Honors, 1893; Fellow in Mathematics, Bryn Mawr College,
1893-94; Student in Mathematics, University of Göttingen, 1894-95.

ANNA GOODE PASCHALL, *Fellow in Greek.*
Atlanta, Ga. A.B., Vanderbilt University, 1894.

EDITH HAMILTON, *Fellow in Latin.*
Fort Wayne, Ind. A.B. and A.M., Bryn Mawr College, 1894.

LAURA LUCINDA JONES, *Fellow in English.*
Toronto, Ont. A.B., University of Toronto, 1891.

MINNA STEELE SMITH, *Fellow in Teutonic Philology.*
Edinburgh, Scotland. Newnham College, University of Cambridge, England, 1890-94; Mediæ-
val and Modern Languages Tripos, First Class, 1893.

ESTHER TONTANT DE BEAUREGARD, *Fellow in Romance Languages.*
New Orleans, La. A.B., University of Toronto, 1894.

NELLIE NEILSON, *Fellow in History.*
Philadelphia, Pa. A.B., Bryn Mawr College, 1893; Graduate Student in English and His-
tory, Bryn Mawr College, 1893-94; A.M., Bryn Mawr College, 1894.

FRANCES HARDCASTLE, *Fellow in Mathematics.*
London, England. Girton College, University of Cambridge, England, 1888-92; Mathemat-
ical Tripos, 1891; Part II, 1892; Graduate Student in Mathematics, Bryn Mawr College,
1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94.

AMY CORDOVA ROCK, *Fellow in Chemistry.*
Washington, D. C. A.B., Bryn Mawr College, 1893; Graduate Student in Chemistry, Bryn
Mawr College, 1893-94.

ESTHER F. BYRNES, *Fellow in Biology.*
Philadelphia, Pa. A.B., Bryn Mawr College, 1891; Assistant in the Biological Labora-
tory, Vassar College, 1891-93; Garrett Scholar in Biology, Bryn Mawr College, 1893-94.

HELEN WINNIFRED SHUTE, . . . *Fellow by Courtesy in Teutonic Philology.*
Exeter, N.H. A.B., Smith College, 1887; Assistant in German, Smith College, 1887-93; Fel-
low in Teutonic Philology, Bryn Mawr College, 1893-94.

SARA ELIZABETH ARCHIBALD, *English, German, and French.*
Sherbrooke, N. S. A.B., Dalhousie College, 1892; A.M., Dalhousie College, 1894.

LUCILLE ARMFIELD, *Latin and English.*
High Point, N. C. A.B., Guilford College, 1894.

HELEN BARTLETT, *English and German.*
Peoria, Ill. Newnham College, 1889; studied in Berlin, 1882-84, and 1890; A.B., Bryn Mawr
College, 1892, and A.M., 1893; Graduate Student in English, Bryn Mawr College, 1892-93;
Fellow in English, Bryn Mawr College, 1893-94; Holder of the American Fellowship of the
Association of Collegiate Alumne, 1894-95.

ANNA CAROLINA BOUSQUET, *English.*
Pella, Marion Co., Ia. A.B., Central University of Iowa, 1893.

THÉRÈSE F. COLIN, *Romance Languages.*
Paris, France. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Fellow in Romance Languages, Bryn Mawr College, 1893-94; Reader in Romance Languages, Bryn Mawr College, 1894-95.

KATHARINE DAME, *Graduate Scholar in History.*
Lynn, Mass. A.B., Boston University, 1894.

ELLOUISE DAUGHERTY, *History.*
Shelbyville, Ind. A.B., Hanover College, 1892.

ANNIE CROSBY EMERY, *Greek.*
Ellsworth, Me. A.B., Bryn Mawr College, 1892; Holder of the Bryn Mawr European Fellowship, and Graduate Student in Greek and Latin, Bryn Mawr College, 1892-93; Student in the Classics, University of Leipzig, 1893-94; Secretary to the President, Bryn Mawr College, 1895.

LULU GARLOW, *English and German.*
Morgantown, W. Va. A.B., Beaver College, 1891; A.B., West Virginia University, 1893.

GERTRUDE O. HUNNICUTT, *German and Political Science.*
Lawrence, Kan. A.B., State University of Kansas, 1889.

ELIZABETH JOHNSON, *English.*
Oskaloosa, Ia. A.B., Penn College, 1894.

CAROLINE W. LATIMER, *Physiology.*
Baltimore, Md. M.D., Woman's Medical College of Baltimore, 1890; Post-Graduate Medical Course, Johns Hopkins Hospital, 1890-91; Graduate Student, Bryn Mawr College, 1891-94.

ALICE G. LEWIS, *History and Biblical Literature.*
Albion, Iowa. A.B., Penn College, 1894.

FRANCES LOWATER, *Physics.*
Nottingham, England. University College, Nottingham, England, 1888-1891, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Student Assistant in Physics, Bryn Mawr College, 1893-95.

SARAH BIRD LUCY, *Mathematics and Physics.*
Minneapolis, Minn. B.S., University of Minnesota, 1892; Teacher of Mathematics and Science, Bishop Graves School, 1892-1893; Teacher in High School, Kearney, Neb., 1893-94.

EMILIE NORTON MARTIN, *Mathematics and Physics.*
Ardmore, Pa. A.B., Bryn Mawr College, 1894.

FLORENCE EDITH MAY, *Chemistry and Biology.*
Barre, Mass. B.S., Wellesley College, 1890.

ANNA M. MOORE, *English and Political Science.*
Richmond, Ind. Ph.B., Earlham College, 1894.

ELIZABETH NICHOLS, *Biology.*
Philadelphia, Pa. A.B., Bryn Mawr College, 1893; Fellow in Biology, Bryn Mawr College, 1893-94.

EMMA HARRIET PARKER, *Graduate Scholar in Chemistry.*
Charlestown, N. H. B.S., Smith College, 1887; Graduate Student, Bryn Mawr College, 1892-93; Fellow in Chemistry, Bryn Mawr College, 1893-94.

MELLISSA BELLE PATTERSON, *English and German.*
Allegheny, Pa. A.B., Pennsylvania College for Women, 1894.

HELEN SLEEPER PEARSON, *Mathematics.*
Boston, Mass. A.B., Smith College, 1881, and A.M., 1883; Graduate Student, Bryn Mawr College, 1891-94.

VIRGINIA RAGSDALE, *Mathematics and Physics.*
Jamestown, N. C. B.S., Guilford College, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-94.

ANNA ELY RHOADS, *Biblical Literature.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1889; Graduate Student in Greek, Bryn Mawr College, 1889-90; University of Leipsic, 1890-91; Garrett Scholar in Biblical Literature, Bryn Mawr College, 1893-94.

MARGARET LOUISE ROBERTSON, *Graduate Scholar in Mathematics.*
Brampton, Ont. A.B., University of Toronto, 1894.

HELEN J. ROBINS, *Englis.*
Philadelphia, Pa. A.B., Bryn Mawr College, 1892; Secretary to the Dean, Bryn Mawr College, 1892-93; Graduate Student in English, Bryn Mawr College, 1893-94; Teacher of History and English Literature in Mrs. Edward Robins' School, Philadelphia; Teacher of Special Class in English Literature, Miss Case and Miss Hallowell's School, Philadelphia, 1893-95.

EDITH F. SAMPSON WESTCOTT,* *Biology.*
Germantown, Pa. A.B., Bryn Mawr College, 1890; Graduate Student in Biology, Bryn Mawr College, 1891-94; A.M., Bryn Mawr College, 1894.

LILIAN VAUGHAN SAMPSON, *Biology.*
Germantown, Pa. A.B., Bryn Mawr College, 1891; Holder of the Bryn Mawr European Fellowship, 1891-92; Graduate Student in Biology, Bryn Mawr College, 1891-92, 1893-94; Student in Biology, University of Zürich, 1892-93; A.M., Bryn Mawr College, 1894.

GERTRUDE MITCHELL STREEPER, *German and French.*
Poughkeepsie, N. Y. A.B., Mt. Holyoke, 1884; M.D., Woman's Medical College of Philadelphia, 1893.

MARIAN UNA STRONG, *Graduate Scholar in Greek.*
Kalamazoo, Mich. A.B., Michigan University, 1894.

M. VIRGINIA SUDLER, *Greek, English, and History.*
Philadelphia, Pa. A.B., Wilson College, 1894.

EFFIE THOMPSON, *Graduate Scholar in Biblical Literature.*
Kingston, N. Y. Wellesley College, 1887-90; Ph.B., Boston University, 1891; Newton Theological Institution, 1891-92; Head Instructor in Bible, Missionary Training Department, Spelman Seminary, Atlanta, Ga., 1892-93.

LOUISE WILLIE TULL, *Greek and Latin.*
Fairmount, Md. A.B., Woman's College, Baltimore, 1893; Graduate Student in Greek and Latin, Bryn Mawr College, 1893-94.

SUSAN GRIMES WALKER, *History.*
Boston, Mass. A.B., Bryn Mawr College, 1893; Secretary to the Dean and Graduate Student in Sociology, Bryn Mawr College, 1893-94; Secretary to the President, Bryn Mawr College, 1894.

WINIFRED WARREN, *Latin and Greek.*
Cambridge, Mass. A.B., Boston University, 1891; Fellow in Latin, Bryn Mawr College, 1893-94.

* Mrs. John Westcott, 1895.

FORMER FELLOWS.

The Bryn Mawr European Fellowship was established by the Trustees in 1885, and has been held in successive years by the following graduates of Bryn Mawr College:

EMILY GREENE BALCH, *Bryn Mawr European Fellow*, 1889-90.
Jamaica Plain, Mass. A.B., Bryn Mawr College, 1889; Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Prof. Emile Levasseur, 1890-91.

KATHARINE MORRIS SHIPLEY, . . . *Bryn Mawr European Fellow*, 1890-91.
Cincinnati, O. A.B., Bryn Mawr College, 1890; University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; May term, Newnham College, University of Cambridge, England, 1892; The Misses Shipley's School, Bryn Mawr, Pa., 1894-95.

LILIAN VAUGHAN SAMPSON, *Bryn Mawr European Fellow*, 1891-92.
Germantown, Pa. A.B., Bryn Mawr College, 1891; Graduate Student in Biology, Bryn Mawr College, 1891-92; Student in Biology, University of Zürich, 1892-93; Graduate Student in Biology, Bryn Mawr College, 1893-95; A.M., Bryn Mawr College, 1894.

ANNIE CROSBY EMERY, *Bryn Mawr European Fellow*, 1892-93.
Ellsworth, Me. A.B., Bryn Mawr College, 1892; Graduate Student in Greek and Latin, Bryn Mawr College, 1892-93; Student in Classics, University of Leipsic, 1893-94; Secretary to the President and Graduate Student in Greek, Bryn Mawr College, 1895.

LOUISE SHEFFIELD BROWNELL, . . *Bryn Mawr European Fellow*, 1893-94.
New York City. A.B., Bryn Mawr College, 1893; Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95.

A fellowship in Greek was established by the Trustees in 1885, and has been held in successive years by the following students:

KITTY AUGUSTA GAGE, 1885-86.
Wilton, N. H. A.B., Boston University, 1878; A.M., Cornell University, 1885; Teacher of Classics in the State Normal School, New Paltz, New York, 1893-95.

SARAH E. SATTERTHWAITE LESLIE,* 1886-87.
Marine City, Michigan. A.B., University of Michigan, 1886.

HELEN LOUISA LOVELL, 1887-88.
Flint, Michigan. A.B., University of Michigan, 1887; Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College, Baltimore, Md., 1890-91, and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, Chicago University, 1894-95.

KATE MAY EDWARDS, 1888-89.
Ithaca, New York. A.B., Cornell University, 1888; Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94.

SUSAN BRALEY FRANKLIN, 1889-90.
Newport, R. I. A.B., Bryn Mawr College, 1889; Graduate Student in Greek, Bryn Mawr College, 1890-92; Fellow by Courtesy in Greek, 1891-92; Holder of the American Fellowship of the Association of Collegiate Alumnae, and Graduate Student in Greek, Bryn Mawr College, 1892-93; Ph.D., Bryn Mawr College, 1895; Instructor in Latin, Vassar College, 1893-95.

* Mrs. Francis Alexander Leslie, 1890.

- ELIZABETH HARRIS, 1890-91.
 Germantown, Pa. A.B., Bryn Mawr College, 1890; Teacher of Greek and Latin in The
 Dutch Reform Collegiate Grammar School, New York City, 1891-92; Teacher of Greek
 and Latin at Miss Florence Baldwin's School, Bryn Mawr, Pa, 1892-93.
- FLORENCE V. KEYS, 1891-92.
 Toronto, Canada. A.B., Toronto University, 1891; Reader in English, Bryn Mawr College,
 1893-95; Examiner in English in the University of Toronto, 1894-95.
- WILMER CAVE FRANCE, 1892-93.
 Tysley, Worcestershire, England. Mason's College, Birmingham, England, 1885-87;
 Girton College, University of Cambridge, England, 1888-92; Classical Tripos, 1892; Fellow
 in Latin, University of Chicago, 1893-94; Fellow in Greek, University of Chicago, 1894-95.
- ELIZABETH MARY FAIRCLOUGH, 1893-94.
 Hamilton, Ont. A.B., McGill University, 1893.

A fellowship in Latin was established by the Trustees in 1892,
 and has been held in successive years by the following students :

- ESTHER B. VANDEMAN, 1892-93.
 Ann Arbor, Mich. A.B., University of Michigan, 1891, and A.M., 1892; Instructor in
 Latin, Wellesley College, 1893-95.
- WINIFRED WARREN, 1893-94.
 Cambridge, Mass. A.B., Boston University, 1892; Graduate Student in Greek and Latin,
 Bryn Mawr College, 1894-95.

A fellowship in English was established by the Trustees in 1885,
 and has been held in successive years by the following students :

- MARY GWINN, 1885-87.
 Baltimore, Md. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and
 Collège de France, 1883; Graduate Student in English, Bryn Mawr College, 1887-88;
 Ph.D., Bryn Mawr College, 1888; Associate in English, Bryn Mawr College, 1888-93; Asso-
 ciate Professor of English, Bryn Mawr College, 1893-95.
- GERTRUDE H. MASON, 1887-88.
 Petaluma, Cal. Ph.B., University of Michigan, 1876, and Ph.M., 1888; Vice-President of
 Petaluma High School, 1893-94; Teacher of English in Petaluma High School, 1893-95.
- IDA WOOD, 1888-89.
 Philadelphia, Pa. A.B., Vassar College, 1877, and A.M., 1889; Graduate Student at Bryn
 Mawr College, 1887-88; Fellow by Courtesy in English, Bryn Mawr College, 1890-91; and
 Ph.D., 1891; Secretary of the Woman's Department of the University of Pennsylvania,
 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-95.
- MABEL PARKER CLARK HUDDLESTON,* 1889-90.
 New York City. A.B., Bryn Mawr College, 1889, and A.M., 1890; Reader in English,
 Bryn Mawr College, and Graduate Student in English and French, 1890-93; Graduate Stu-
 dent in English and French, Columbia College, 1893-94.
- KATHARINE MERRILL, 1890-91.
 Abilene, Kansas. A.B., Kansas State University, 1889; Graduate Student in English, at Bryn
 Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Literature,
 University of Illinois, 1892-95.
- MARGUERITE SWEET, 1891-92.
 Albany, N. Y. A.B., Vassar College, 1887; Graduate Student, Bryn Mawr College, 1889-90,
 and Graduate Scholar, 1890-91; Ph.D., Bryn Mawr College, 1892; Instructor in English,
 Vassar College, 1892-95.

* Mrs. John Henry Huddleston, 1894.

FLORENCE V. KEYS, 1892-93.
Toronto, Canada. A.B., Toronto University, 1891; Fellow in Greek, Bryn Mawr College, 1891-92; Reader in English, Bryn Mawr College, 1893-95; Examiner in English in the University of Toronto, 1894-95.

HELEN BARTLETT, 1893-94.
Peoria, Ill. Newnham College, 1889; studied in Berlin, 1882-84, and 1890; A.B., Bryn Mawr College, 1892, and A.M., 1893; Graduate Student in English, Bryn Mawr College, 1892-93; Holder of the American Fellowship of the Association of Collegiate Alumnae, and Graduate Student in English and German, Bryn Mawr College, 1894-95.

A fellowship in Teutonic Languages was established by the Trustees in 1893, and was held during the year 1893-94 by :

HELEN WINNIFRED SHUTE, 1893-94.
Exeter, N. H. A.B., Smith College, 1887; Instructor in German, Smith College, 1887-93; Graduate Student in Teutonic Philology, Bryn Mawr College, 1894-95.

A fellowship in Romance Languages was established by the Trustees in 1893, and held during the year 1893-94 by:

THÉRÈSE F. COLIN, 1893-94.
Paris, France. Diplômée et agrégée, Collège de Neuchâtel, 1875; University of the City of New York, 1887-88; Leland Stanford, Jr., University, 1892-93; A.M., Leland Stanford, Jr., University, 1893; Reader in Romance Languages, and Graduate Student in Romance Philology, Bryn Mawr College, 1894-95.

A fellowship in History and Politics was established by the Trustees in 1885, and has been held in successive years by the following students:

JANE M. BANCROFT ROBINSON,* 1885-86.
West Stockbridge, Mass. Ph.B., Syracuse University, 1877; Ph.M., 1880, and Ph.D., 1884; Professor of French Language and Literature, Northwestern University, Evanston, Ill., 1877-85; University of Zürich, 1886-87, and Collège de France and the Sorbonne, 1888.

LUCY M. SALMON, 1886-87.
Fulton, N. Y. A.B., University of Michigan, 1876, and A.M., 1883; Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89; Professor of History, Vassar College, 1889-95.

CORA AGNES BENNESON, 1887-88.
Quincy, Ill. A.B., University of Michigan, 1878; LL.B., 1880, and A.M., 1883; Attorney and Counsellor-at-Law, Cambridge, Mass., 1894-95.

HANNAH ROBIE SEWALL, 1888-89.
St. Paul, Minn. A.B., University of Minnesota, 1884; A.M., University of Michigan, 1887; Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science and Rhetoric, University of Minnesota, 1893-95.

ELEANOR LOUISA LORD, 1889-90.
Malden, Mass. A.B., Smith College, 1887, and A.M., 1890; Instructor in History, Smith College, 1890-94; Student in History, Newnham College, Cambridge, England, 1894-95.

AGNES MATHILDE WERGELAND, 1890-91.
Christiania, Norway. Studied under the direction of Prof. Konrad Maurer, München, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890; Reader in History of Art, Bryn Mawr College, 1891-93.

* Mrs. George O. Robinson, 1891.

- CAROLINE MILES HILL,* 1891-92.
 Carthage, Ind. A.B., Earlham College, 1887; Michigan University, 1889-91, and A.M., 1890;
 Teacher of Latin in Friends' Academy, Bloomington, Ind., 1888-89; Instructor in History
 and Philosophy, Mount Holyoke College, 1892-93; Instructor in History, Wellesley College,
 1893-94; Instructor in Psychology, Wellesley College, 1894-95.
- JANE BOWNE HAINES, 1892-93.
 Cheltenham, Pa. A.B., Bryn Mawr College, 1891, and A.M., 1892; Graduate Student in
 History and Political Economy, Bryn Mawr College, 1891-92; Graduate Student in
 Sociology, Bryn Mawr College, 1893-94.
- JANE LOUISE BROWNELL, 1893-94.
 Bristol, Conn. A.B., Bryn Mawr College, 1893, and A.M., 1894; Teacher of Mathematics at
 the Bryn Mawr School, Baltimore, Md., 1894-95.

A fellowship in Mathematics was established by the Trustees in 1885, and has been held in successive years by the following students :

- ELLA C. WILLIAMS, 1885-86.
 Watkins, N. Y. A.M., University of Michigan, 1880; studied under Professor Schwartz of
 Göttingen, nineteen months, 1883-85; in residence at Newnham College during the spring
 term of 1884; Teacher of Mathematics in Miss Moses' School, New York City, 1886-87;
 Teacher in State Normal School, Plymouth, N. H., 1887-89.
- ANNIE A. STEWART, 1886-87.
 West Bay, Nova Scotia. Studied in University College, London, 1880-82; B.Sc., Dalhousie
 College, Halifax, Nova Scotia, 1886; Teacher of Mathematics in Miss Mary E. Stevens'
 School, Germantown, Pa., 1887-93; Student in Mathematics and Physics, Newnham College,
 University of Cambridge, England, 1893-95.
- ELIZABETH MILLER BLANCHARD, 1889-90.
 Bellefonte, Pa. A.B., Bryn Mawr College, 1889; Teacher of Mathematics in the Bryn Mawr
 School, Baltimore, Md., 1891-92; Tutor in Mathematics, Latin, and History, 1894-95.
- RUTH GENTRY, 1890-91.
 Stilesville, Ind. Ph.B., University of Michigan, 1890.
- MARY FRANCES WINSTON, 1891-92.
 Forreston, Ill. A.B., University of Wisconsin, 1889; Teacher of Mathematics, Downer Col-
 lege, Wisconsin, 1889-91.
- RUTH GENTRY, 1892-93.
 Stilesville, Ind. Ph.B., University of Michigan, 1890; Fellow in Mathematics, Bryn Mawr
 College, 1890-91; Holder of the European Fellowship of the Association of Collegiate
 Alumnae, 1891-92; studied, University of Berlin, 1891-92; Fellow by courtesy in Mathe-
 matics, Bryn Mawr College, 1893-94; Instructor in Mathematics, Vassar College, 1894-95.
- ADA ISABEL MADDISON, 1893-94.
 Reading, England. University of South Wales and Monmouthshire, 1885-89; Girton College,
 Cambridge, England, 1889-92; Mathematical Tripos (1st class), 1892; Oxford Greats, 1892;
 Graduate Student in Mathematics, Bryn Mawr College, 1892-93; B.Sc., University of Lon-
 don, Mathematical Honors, 1893; Garrett European Fellow, 1894-95.

A fellowship in Chemistry was established by the Trustees in 1893, and was held during the year 1893-94 by :

- EMMA HARRIET PARKER, 1893-94.
 Charlestown, N. H. B.S., Smith College, 1887; Graduate Student in Chemistry, Bryn
 Mawr College, 1892-93; Mary E. Garrett Scholar in Chemistry, Bryn Mawr College, 1894-95.

* Mrs. William Hill, 1895.

A fellowship in Biology was established by the Trustees in 1885, and has been held in successive years by the following students :

- EFFIE A. SOUTHWORTH, 1885-86.
 North Collins, N. Y. S.B., University of Michigan, 1885; Student-Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, 1887-92; Assistant in Botany, Barnard College, 1892-95.
- MARCELLA I. O'GRADY, 1887-89.
 Boston, Mass. S.B., Massachusetts Institute of Technology, 1885; Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator, Biological Laboratory, Bryn Mawr College, 1888-89; Associate Professor of Biology, Vassar College, 1889-93; Professor of Biology, Vassar College, 1893-95.
- HARRIET RANDOLPH, 1889-90.
 Philadelphia, Pa. A.B., Bryn Mawr College, 1889; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892; Demonstrator in Biology, Bryn Mawr College, 1892-95, and Reader in Botany, Bryn Mawr College, 1893-95.
- JEAN K. HOWELL, 1891-92.
 Painted Post, N. Y. Ph.B., Cornell University, 1888, and M.S., 1890; Assistant in Botany, Barnard College, 1892-95.
- IDA H. HYDE, 1892-93.
 Chicago, Ill. S.B., Cornell University, 1891; Student-Assistant and Graduate Student in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strasburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-95.
- ELIZABETH NICHOLS, 1893-94.
 Philadelphia, Pa. A.B., Bryn Mawr College, 1893; Graduate Student in Biology, Bryn Mawr College, 1894-95.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, ten miles from Philadelphia, was endowed by Dr. Joseph W. Taylor, of Burlington, New Jersey, a physician, merchant, and member of the Society of Friends, who purposed founding an institution of learning for the "advanced education" of women, which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn with forty-four students.

Three classes of persons are admitted to the lectures and class-work of the college:—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately.

Regulations of the Graduate Department.

In the opinion of the Trustees of Bryn Mawr College a college should differ from a university not in the extent or thoroughness of the instruction given in the subjects which it professes to teach, but in the range of instruction and in the number of its schools or faculties; and it has from the beginning been their policy to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years leads to the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one year and offered as one of the minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may enroll themselves either as special students or as candidates for a second degree; in either case they must consult with the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

All the graduate and undergraduate courses of the college are open to graduate students. Since the graduate courses presuppose, as a rule, the undergraduate courses, the instructors in the several departments may require of the graduate student certain introductory or auxiliary studies to be pursued in the undergraduate department.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiency in this respect.

Besides attending the graduate courses of the college the graduate student may devote herself to special courses of reading and investigation under the guidance of the several instructors; and her needs will be considered in the arrangement of new courses of lectures.

Fellowships and Scholarships.

The most distinguished place among graduate students will be held by the Fellows, who must reside in the college during the academic year. Nine resident Fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually—one in Greek, one in Latin, one in English, one in German and Teutonic Philology, one in Romance Languages, one in Mathematics, one in History or Political Science, one in Biology, and one in Chemistry. These Fellowships, which do not exempt the holder from the usual charge for tuition, board and room-rent, are intended as an honor and are awarded in recognition of previous attainments. They are open to graduates of Bryn Mawr College, or of any other college

* The certificates of the Women's Colleges of the English Universities of Oxford and Cambridge, will be regarded as equivalent to a first degree,—*i.e.*, to the degree of Bachelor of Arts.

of good standing. No one may compete who has not a college degree or a certificate of prolonged study under well-known instructors; and, generally speaking, the Fellowship will be given to the candidate that has studied longest or whose work affords the best promise of future success. The holder of a Fellowship is expected to show, by the presentation of a thesis, or in some other manner, that her studies have not been without result. All Fellows may study for the degree of Doctor of Philosophy, the Fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Those that continue their studies at the College after the expiration of the Fellowship, may, by vote of the Trustees, receive the rank of Fellows by Courtesy.

The Mary E. Garrett European Fellowship, of the value of five hundred dollars, applicable to the expense of one year's study and residence at some foreign university, English or Continental, is open for competition to all students still in residence who have for two years pursued graduate studies at Bryn Mawr College. The choice of a university may be determined by the holder's own preference, subject to the approval of the College. This Fellowship was founded in 1894 by Miss Garrett, of Baltimore.

The Mary E. Garrett Graduate Scholarships, seven in number, two of the value of three hundred dollars each, and five of the value of two hundred dollars each, may, on the recommendation of the head of the department in question, be awarded to the candidate next in merit to the successful candidates for the fellowships; but they are also open to graduates of Bryn Mawr College or of other colleges of good standing.

Applications for the resident Fellowships or Scholarships should be made as early as possible, and must be made not later than the fifteenth of April preceding the year for which the Fellowship or Scholarship is desired. Blank forms of application will be forwarded to the applicants. A definite answer will be given within four weeks from the latest date set for receiving applications.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for

which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may, at their discretion, enroll themselves as candidates for the Degree of Doctor of Philosophy and Master of Arts. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

The Degree of Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Faculty that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may have been recommended.

The candidate must have pursued for three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Faculty, and have spent at least two of these years at Bryn Mawr College. She must have written, on some subject connected with her chief subject of study, a dissertation that bears satisfactory evidence of original research, and must pass an oral examination in the presence of the members of the Faculty on one major or chief subject, and a written or a written and an oral examination on two minor subjects. In special cases where one minor subject is substituted for the two minor or secondary subjects, the time spent on the one secondary subject must be equal to the time usually spent on the two minor subjects, and every combination of major and minor subjects for the final examination must have been submitted to the Academic Council, by whom, after due consultation with the heads of the departments concerned, it will be submitted to the Faculty.

The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy will be given to no one who cannot read French and German, or who is unacquainted with Latin. The dissertation must have been printed by the candidate before she can be admitted to the degree of Doctor of Philosophy.

The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

The Degree of Master of Arts.

A separate degree of Master of Arts will be conferred on graduates of Bryn Mawr College. The candidate for this degree must have studied at Bryn Mawr College for at least one year after receiving the degree of Bachelor of Arts, and must have pursued either undergraduate courses not previously taken, amounting to twelve hours weekly, or graduate courses equivalent to twelve hours weekly. She may have devoted herself exclusively to a single subject, and must have taken in some one subject the equivalent of a five-hour course. If the courses taken are undergraduate courses, the student must pass the usual examinations with the grade of credit; if they are graduate, she must pass either a written examination, or an oral examination in the presence of the members of the Faculty, as may be preferred by the heads of the departments in which she has studied.

Expenses.

The charge for tuition is one hundred dollars a year, irrespective of the number of courses attended, or of the actual time of attendance. It is the same for undergraduate students, graduate students, special students, and hearers, and is payable in advance. An additional charge of fifteen dollars a year is made for materials in every laboratory course of five hours weekly throughout the year.

A special exception will be made in favor of non-resident medical students and physicians, who will be charged for a single course in chemistry or biology fifty dollars, and for two courses one hundred dollars, the laboratory charges being the same for them as for other students. A course is held to be five hours weekly of lectures and class-work throughout the year.

Residence.

Residence in the College buildings is optional. Of the students in daily attendance at the lectures and class work of the College, some have always lived in Philadelphia, or in the neighborhood of Bryn Mawr; others have resided in the College for five days of the week. The expense of board and residence in the College

halls is two hundred and seventy-five dollars, three hundred dollars, or in special cases three hundred and twenty-five dollars, according to the room or rooms occupied by the student. Of this sum one hundred and fifty is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Room rent includes all expense of service, heating and light, except open fires and laundry work.

The health of the students is under the charge of Dr. Mary Sherwood, a physician practising in Baltimore, who visits the College every week, and can then be consulted by all the students free of charge.

Plans of Merion Hall, Radnor Hall, Denbigh Hall, and Pembroke Hall, East and West, with a full account of the halls and tariff of rooms, may be obtained by application to the Secretary of the College. Each of these halls has its separate kitchen and dining hall, provides accommodations for about sixty students, and is under the charge of a resident Mistress. In each Hall of Residence a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings or corridors. In Denbigh Hall a large suite of rooms is reserved for the use of the Graduate Club, organized by the graduate students in 1894, and composed of the entire body of resident graduates. Application for rooms should be made as early as possible. Since the demand for college rooms is very great, and every room unnecessarily reserved may prevent some other student from entering College, a deposit of fifteen dollars, which will be deducted from the first college bill, is required before a room is assigned.

A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if no formal notice of withdrawal is filed at the Secretary's office on or before May first of the current year.

All students reserving rooms that do not inform the Secretary of their change of intention before September first of the academic

year for which the room is reserved, will be responsible for the rent of the room for the entire academic year.

The rooms are completely furnished. No lamps, towels, table napkins, sheets or supplies of any kind need be brought by the student. No part whatever need be taken by the student in the care of her own room.

There are open fire-places in nearly all the studies, but the rooms will be sufficiently heated by steam. A fixed annual charge (\$18 for one dozen pieces a week) is made for washing (see the descriptions of Merion Hall, Radnor Hall, Denbigh Hall and Pembroke Hall) when students prefer to have their washing done in the college. Students that remain at the college during the winter and spring vacations will be charged seven dollars, or eight and a half dollars weekly, according to the rooms occupied. No charge is made for sending meals to students that remain in their rooms by the advice of the physician or of the mistress of the hall.

The charge for tuition is accordingly \$100 a year, payable in advance.

The charge for residence in the college halls, exclusive of board, is \$125, \$150, (or in special cases, \$175) a year, payable in advance.

The charge for board is \$150 a year; one-half payable in advance.

The charge for board, residence and tuition is, therefore, \$375, \$400 (or in special cases \$425) a year; the additional charges are \$15 for every laboratory course of five hours weekly.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It will be applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Association of Bryn Mawr Alumnae. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President M. Carey Thomas; Miss Mary McMurtrie, Chairman, Chestnut Hill, Philadelphia; Miss Martha G. Thomas, Secretary and Treasurer, Whitford, Pa.; Mrs. William H. Collins, Haverford, Pa.; Mrs. John McA. Harris, 5305 Main Street, Germantown, Philadelphia; Mrs. John Westcott, Princeton, N. J. Contributions may be sent to any member of the committee.

Libraries.

The fact that the College is at a distance of only ten miles from Philadelphia, which may be reached by trains, running every half hour, in from twenty to thirty minutes, enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the College proper.

The College Library, accordingly, will remain as far as possible a library for special study. There are at present on its shelves

twenty-two thousand three hundred and twenty-four bound volumes, and seven thousand doctors' dissertations and pamphlets, including the Classical Library of the late Professor Sauppe, of Göttingen, which was presented to the College in 1894. The Library of the late Professor Amiaud, of Paris, was acquired in 1892, and at present forms part of the library of the college. It is a good working library for the student in every department of Semitic study. A more detailed description of these two collections may be found on pages 28 and 40 of the Graduate Program.

The sum of three thousand dollars is expended yearly for books, under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, over four thousand dollars has been presented to the library during the past six years for expenditure in special departments. One hundred and sixty-five scientific, literary, and philological periodicals and reviews in the English, German, French, Italian, Norse and Swedish languages, are taken by the library as follows:

Academy; Aeta Mathematica; Allgemeines Statistisches Archiv; American Chemical Journal; American Dialect Society Publications; American Economic Association Publications; American Friend; American Journal of Archaeology; American Journal of Mathematics; American Journal of Philology; American Journal of Psychology; American Journal of Science; American Naturalist; Anglia; Annalen der Physik und Chemie; Annals of the American Academy of Political and Social Science; Annales de l'École Normale Supérieure; Archiv für Anatomie und Physiologie; Archiv für die Gesamte Physiologie; Archivio glottologico italiano; Archiv für latein. Lexicographie; Archiv für mikroskopische Anatomie; Archiv für neueren Sprachen und Litteraturen; Arkiv för Nordisk Filologi; Athenaeum; Atlantic Monthly; Babylonian and Oriental Record; Beiblätter zu den Annalen der Physik und Chemie; Beiträge der deutschen Sprache und Litteratur; Beiträge zur Kunde der indogermanischen Sprachen; Berliner philologische Wochenschrift; Biblical World; Bibliotheca Mathematica; Bibliotheca Philologica Classica; Biologisches Centralblatt; Botanisches Centralblatt; Bulletin of American Mathematical Society; Bulletin de Correspondance Hellénique; Bulletin of the New York Mathematical Society; Bulletin of Torrey Botanical Club; Centralblatt für Physiologie; Century Magazine; Chaucer Society Publications; Chemical News; Classical Review; Comptes Rendus des Académies des Sciences; Contemporary Review; Deutsche Literaturzeitung; Deutsche Zeitschrift für Geschichtswissenschaft; Dial; Dialect Notes; Early English Text Society Publications; Economic Journal; Economic Review; Electrician; Englische Studien; English Historical Review; Expositor; Expository Times; Fortnightly Review; Forum; Goethe-Gesellschaft Schriften; Göttingische gelehrte Anzeigen; Harper's Magazine; Hartford Seminary Record; Haverford College Studies; Hebraica; Hermes; Historische Zeitschrift; Independent; Indian Antiquary; Indogermanische Forschungen; International Journal of Ethics; Jahrbuch der deutschen-Shakespeare Gesellschaft; Jahresbericht der germanischen Philologie; Jahresbericht über die Alterthumswissenschaft; Jahresbericht über die Fortschritte der Chemie; Jahrbuch für Gesetzgebung; Johns Hopkins University Studies; Journal of Biblical Literature; Journal of Morphology; Journal de Mathématiques; Journal für die reine u. angewandte Mathematik; Journal für praktische Chemie; Journal of

the Chemical Society; Journal of the Microscopical Society; Journal of Philology; Journal of Physiology; Journal of the Royal Statistical Society; Journal of the Society for Psychological Research; Kryptogamen Flora; Library Journal; Literarisches Centralblatt; Literaturblatt für germ. u. rom. Philologie; Mathematische Annalen; Messenger of Mathematics; Mind; Minerva; Jahrbuch der gelehrten Welt; Modern Language Notes; Mittheilungen des archæologischen Instituts; Mittheilungen der englischen Sprache und Litteratur; Mittheilungen aus der zoologischen Station zu Neapel; Monatshefte für Chemie; Nachrichten von der königlichen Gesellschaft der Wissenschaften; Nation; Nature Notes; Nature; Neue Jahrbücher für Philologie u. Pädagogik; Nineteenth Century; North American Review; Outlook; Pedagogical Seminary; Philologische Wochenschrift; Philologus; Philosophical Magazine; Philosophical Review; Philosophische Studien; Political Science Quarterly; Popular Science Monthly; Proceedings of the Academy of Natural Sciences; Proceedings of London Mathematical Society; Proceedings of the Royal Society; Psychological Review; Publications of the American Statistical Association; Publications of the Modern Language Association; Publications of Political Economy and Public Law Series; Quarterly Journal of Economics; Quarterly Journal of Mathematics; Quarterly Journal of Microscopical Science; Quarterly Review; Quellen und Forschungen; Review of Reviews; Revue Bleue; Revue Celtique; Revue Historique; Revue Philosophique; Rheinisches Museum für Philologie; Romania; Romanische Forschungen; Science; Scottish Text Society Publications; Scribner's Magazine; Spectator; Studies in History, Economics, and Public Laws; The Friend; The Monist; The Thinker; Transactions of American Philological Association; Westminster Review; Wharton School Studies; Yale Review; Wochenschrift für klassische Philologie; Zeitschrift für deutsches Alterthum; Zeitschrift für deutsche Philologie; Zeitschrift für physikalische Chemie; Zeitschrift für Anorganische Chemie; Zeitschrift für Assyriologie; Zeitschrift für französische Sprache; Zeitschrift für Litteratur und Geschichte der Staatswissenschaft; Zeitschrift für Psychologie; Zeitschrift für Social- und Wirthschaftsgeschichte; Zeitschrift für wissenschaftliche Zoologie; Zeitschrift für romanische Philologie; Zeitschrift für vergleichende Sprachforschung; Zoologischer Anzeiger.

The library is open daily from eight A.M. to ten P.M., and books may be taken out by the students during these hours.

There are in Philadelphia the following important libraries:

The *Philadelphia Library*, which contains about 145,000 volumes, and is at all times open to the students for consultation. Private subscription, \$12 a year for eight volumes, or \$10 for nine months.

The *Mercantile Library*, which contains 150,000 volumes. Private subscriptions, \$6.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains 30,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains 115,000 volumes. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the College.

Courses of Study.

There will be offered each year major or two-year courses of five hours weekly in the following subjects: Greek, Latin English, German, French, Italian and Spanish, History, Political Science, Philosophy, Mathematics, Physics, Chemistry, and Biology.

Graduate courses are offered in Sanskrit and Indo-European Philology, Greek, Latin, Classical Archaeology, History of Art, Old French, Italian, Spanish, and other Romance Languages, Gothic and Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Anglo-Saxon, English Literature, Celtic and Slavonic Languages, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Political Science, Philosophy, Mathematics, Physics, Chemistry, Geology, Morphology, Physiology, and Physiological Chemistry.

The graduate courses are as follows :

SANSKRIT, GREEK AND LATIN.

Professors and Instructors : Dr. Edward Washburn Hopkins, Dr. Herbert Weir Smyth, Dr. Gonzalez Lodge, Mr. Robert Gregg Bury, and Dr. George A. Barton.

In 1895-96 Dr. Hopkins and Mr. Bury will be succeeded by Mr. Paul Elmer More and Dr. Mortimer Lamson Earle.

Exceptional facilities for the study of all departments of Classical Philology are offered by the large classical library which the college possesses. The greater part of this library is formed by the famous collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by the college purchases, so that the classical library now numbers some 6000 volumes, including complete sets of most of the important journals, and about 7000 dissertations, programmes, and monographs.

Sanskrit and Comparative Philology.

The instruction in Sanskrit and comparative philology is under the direction of Dr. Edward Washburn Hopkins, Professor of Greek, Sanskrit and Comparative Philology, Dr. Hermann Collitz, Associate Professor of Comparative Philology and German, and Mr. Paul Elmer More, Associate (elect) in Sanskrit and Classical Literature.

GRADUATE COURSES.

Dr. Hopkins offers the following graduate course :

Lectures on Comparative Philology, and Philological Seminary,

Once weekly throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit will also be of great aid to the student. The lectures on Comparative Philology will treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what has been during the last few years the field of the most active research, the student will be introduced to the latest theories and discoveries in Aryan phonetics, and will be expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method will be pursued during the investigation of the history of forms; and in the third part of the course the student will begin the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin. This course forms the fifth hour of the five-hour graduate courses in Greek and Latin.

Dr. Collitz will offer the above graduate course in 1895-96:

Mr. More will offer the following graduate course in 1895-96:

Beginners' Sanskrit,

Once weekly throughout the year.

Greek.

The instruction in Greek is under the direction of Dr. Edward Washburn Hopkins, Professor of Greek, Sanskrit and Comparative Philology, Dr. Herbert Weir Smyth, Professor of Greek, Mr. Robert Gregg Bury, Lecturer in Greek and Latin Literature, Mr. Paul Elmer More, Associate (elect) in Sanskrit and Classical Literature, Dr. Mortimer Lamson Earle, Associate Professor (elect) of Greek and Latin, and Dr. George A. Barton, Associate in Biblical Literature and Semitic Languages.

GRADUATE COURSES.

The graduate courses in Greek are varied from year to year (Lyric Poetry, Attic Tragedy, The Historians, The Orators, and Plato), in order that they may be pursued by the student for several successive years. Three of these courses are required of students that offer Greek as a major subject for the degree of Doctor of Philosophy; two are required when Greek is the only minor subject offered, and one when there are two minors. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of work thus read will from time to time be required of the students.

Students taking the graduate course in Greek are expected to elect also the one-hour course in comparative philology.

Dr. Smyth offers the following graduate course :

Attic Historians,

Four hours weekly throughout the year.

This course is based chiefly upon a study of Thucydides, whose entire work is read during the year ; but lectures are given on Herodotus and the Attic successors of Thucydides. Attention is also devoted to inscriptions illustrative of the period of the Peloponnesian war. The work falls into the following sub-divisions, each of which occupies one hour weekly.

1. Seminary : Interpretation of a portion of Thucydides, *Book ii.*

2. Interpretation, by the instructor, of a portion of Thucydides, *Book ii.*

3. Lectures, by the instructor, on subjects connected with Greek Historiography, such as the composition of Thucydides' History, the syntax and style of Thucydides, the history of early Attic prose, Greek historical inscriptions.

4. Greek Composition, with Thucydides as a model (*first semester*).

Papers, treating especially of the Thucydean criticism of Dionysius of Halicarnassus will be prepared by members of the class.

In 1895-96 the Lyric Poets will be substituted for the Attic Historians.

POST-MAJOR COURSES.

Dr. Hopkins offers the following post-major courses, open to graduate students :

Pindar, *Selected Odes*,

Once weekly during the first semester.

Sophocles, *Antigone*,

Twice weekly during the first semester.

Dr. Smyth offers the following post-major course, open to graduate students :

Aristotle, *Poetics*,

Twice weekly during the second semester.

This course consists of lectures on the *Poetics* by the instructor, and the reading of one Attic drama by each member of the class.

Mr. Bury offers the following post-major course open to graduate students :

Plato, *Protagoras*,

Twice weekly during the second semester.

Dr. Barton offers the following post-major course open to graduate students :

New Testament Greek,

Twice weekly throughout the year.

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour weekly during the first semester is devoted to a careful study of the text of one of the Gospels, and the other hour to lectures on the history of the New Testament text, both in its written and its printed form, on the helps extant for emending it, and the method of using them. In the second semester the subject of study is the Epistles of Paul. The students are expected to read privately during the first semester the text of one of the Gospels that has not been read in class, and during the second, either the Acts of the Apostles, the Apocalypse, or the Epistle to the Hebrews.

Dr. Smyth will offer in 1895-96 the following post-major courses open to graduate students :

Pindar,

Twice weekly during the first semester.

Agamemnon,

Twice weekly during the second semester.

Mr. More will offer in 1895-96 the following post-major course, open to graduate students:

Plato, *Republic*,

Twice weekly throughout the year.

Latin.

The instruction in Latin is under the direction of Dr. Gonzalez Lodge, Professor of Latin, Mr. Robert Gregg Bury, Lecturer in Greek and Latin Literature, Dr. Mortimer Lamson Earle, Associate Professor (elect) of Greek and Latin, and Mr. Paul Elmer More, Associate (elect) in Sanskrit and Classical Literature.

GRADUATE COURSES.

Graduate work in Latin is conducted according to the Seminary method. One department of Latin Literature or one Latin author is selected each year as a subject of study. All the best and most recent editions, together with a large number of special treatises, dissertations, etc., are collected in the seminary library, and graduate students are encouraged to make themselves thoroughly acquainted with all the literature bearing upon the subject chosen. To this end the work is arranged along the following lines :

- a. Historical and Critical Lectures by the instructor.
- b. Critical Interpretation of selected passages from the principal authors, by the students.
- c. Abstracts and Analyses of important dissertations and special treatises, by the students.
- d. Every student is expected to make, during the year, an original study of some subject connected with the work of the Seminary.

The courses are varied from year to year, in order to afford candidates for the degree of Doctor of Philosophy an opportunity of pursuing graduate work through three successive years. Thus in 1892-93 the subject was Roman Satire, with especial reference to Horace and Juvenal ; in 1893-94 it was Roman Drama, with especial reference to Plautus and Terence ; this year the work is in Roman Historiography, treating chiefly of Livy and Tacitus ; and in 1895-96 the subject will be Roman Epistolography, especially Cicero and Pliny.

A course of lectures on Latin Grammar and Syntax of one hour weekly for four years, is similarly arranged so that in successive years are discussed : (1) the forms, (2) the syntax of the noun, (3) the syntax of the verb, (4) the syntax of the subordinate sentence.

The one-hour course in Comparative Philology, see page 29, forms the fifth hour of the graduate course in Latin.

Dr. Lodge offers the following graduate courses:

Latin Seminary : Roman Historiography,

Three times weekly throughout the year.

The course consists of historical and critical lectures by the instructor and of critical interpretation of selected passages from the principal authors by the students. Abstracts and analyses of important dissertations and special treatises are presented by the students; every student is expected to make during the year, an original study of some subject connected with the work of the Seminary.

Rushforth's *Latin Historical Inscriptions*; Latin Syntax, *The Moods and Tenses*,

Once weekly throughout the year.

This course is subsidiary to the work of the Seminary. Rushforth's *Latin Historical Inscriptions* are studied until Christmas, after which time the course consists of lectures on Latin Syntax, treating especially the *Moods and Tenses*.

Dr. Lodge will offer in 1895-96 the following graduate courses:

Latin Seminary : Roman Epistolography,

Three times weekly throughout the year.

This course will take the place of the course in Roman Historiography, given 1894-95, and will be followed by a course in Roman Drama in 1896-97.

Lectures on Latin Grammar,

Once weekly throughout the year.

This course will take the place of the course in Inscriptions and Syntax of the *Moods and Tenses*, given in 1894-95. It will consist of a study of the Italian dialects, and of the historical development of the linguistic forms in Latin.

POST-MAJOR COURSES.

Dr. Lodge offers the following post-major courses, open to graduate students :

Terence, *Four Plays*,

Twice weekly during the first semester.

Plautus, *Three Plays*,

Twice weekly during the second semester.

Mr. Bury offers the following post-major courses, open to graduate students:

Lucretius, *Selections*,

Twice weekly during the first semester.

Latin Prose Composition,

Once weekly throughout the year.

Catullus,

Twice weekly during the second semester.

Dr. Earle will offer in 1895-96 the following post-major courses, open to graduate students :

Cicero,

Twice weekly throughout the year.

Catullus,

Once weekly throughout the year.

Mr. More will offer in 1895-96 the following post-major course, open to graduate students:

Lucretius,

Twice weekly throughout the year.

MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Mary Gwinn, Dr. James Douglas Bruce, Dr. Hermann Collitz, Dr. Joseph A. Fontaine, Miss Rose Chamberlin, Mr. Frederic M. Page, Mr. Alfred L. Hodder (elect), Miss Abby Kirk, Miss Florence V. Keys, Madame Thérèse F. Colin, Miss Phœbe Sheavyn.

English.

The instruction in English is under the direction of Dr. M. Carey Thomas, Professor of English, Dr. Mary Gwinn, Associate Professor of English, Dr. James Douglas Bruce, Associate in English Philology, Mr. Alfred L. Hodder, Lecturer (elect) in English Literature, Miss Abby Kirk, Reader in English, Miss Florence V. Keys, Reader in English, and Miss Phœbe Sheavyn, Reader in English. It includes two years of lectures on literature and language required of every candidate for a degree; two years of advanced English, which presupposes as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or as a free elective; and graduate courses in English literature, essay work, Anglo-Saxon, and Early English.

GRADUATE COURSES.

There are offered each year two distinct graduate courses in English, one in literature and one in language, and these courses are so varied that they may be followed by the graduate student throughout three years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English Major.

Students that choose English as their chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon and Early English, and if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least one course in essay work.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

The Elizabethan and Jacobean Drama, Dr. Thomas and Miss Sheavyn.

Twice weekly throughout the year.

In 1895-96 this course will be given by Mr. Hodder.

The time required for reading in connection with the lectures makes this course the equivalent of four hours weekly. During the first semester the Mystery and Miracle Plays and the chief works of the pre-Shakespearean Drama are read privately by the class and discussed in detail in the lectures and conferences, different plays being assigned to different members of the class for report and discussion. In the second semester Shakespeare's histories, and seven or eight of his other plays, are read critically, and the remaining plays are studied privately by the members of the class. The chief plays of the other Elizabethan and Jacobean dramatists are read in connection with the different periods of Shakespeare.

The Elizabethan and Jacobean Drama, and the Drama of the Restoration, Dr. Gwinn,

Three times weekly throughout the year.

(Not given in 1894-95)

This course, which is meant to be taken in connection with the course conducted by Dr. Thomas, deals in the first semester with the Critics of the Drama, and with Heywood; in the second semester with the dramatists of the Restoration. The time required for reading and for the preparation of written papers makes the course the equivalent of three hours.

English Critics of Life : Burke, Carlyle, and Ruskin, Dr. Gwinn,

Three times weekly throughout the year.

(Given in 1895-96.)

This course corresponds to some extent to the course on English Essayists and Critics of the Nineteenth Century. Part of the work consists of private reading and the preparation of papers. The class will meet at least twice weekly for discussion.

Seventeenth Century Prose Writers, Dr. Gwinn,

Twice weekly throughout the year.

The work consists almost wholly of private reading and the preparation of papers. Hooker, Bacon, Milton, Walton, Jeremy Taylor and Browne are studied.

Eighteenth Century Prose Writers, Dr. Gwinn,

Twice weekly throughout the year.

The work consists almost wholly of private reading and the preparation of papers. Especial attention is given to the writings of Swift, Steele and Addison.

Old English Phonology, Dr. Bruce,

Twice weekly throughout the year.

This course consists of lectures on the History of English Sounds in the Anglo-Saxon period with especial reference to their development out of the general Teutonic. The students will be given practical exercises in the application of the principles expounded in the lectures.

In the year 1895-96 Dr. Bruce will offer a similar course on Middle English Phonology, designed as a continuation of the course in Old English Phonology. It consists of lectures on the history of English sounds with special reference to their development from the Anglo-Saxon, and will be supplemented by extensive reading of Pre-Chaucerian Middle English texts.

Elene and Genesis, Dr. Bruce,

Twice weekly throughout the year.

This course is primarily intended to give to students who have already some reading knowledge of Anglo-Saxon, a general acquaintance with representative pieces of Anglo-Saxon literature outside of *Beowulf*. It is accompanied by grammatical and metrical exercises.

English Seminary, Selected Poems of the Exeter-Book, Dr. Bruce,

Twice weekly throughout the year.

The minor epic pieces are first studied with reference to the Teutonic saga-cycles with which they are connected. The criticism of the text of each poem is carefully considered. Subsequently the *Crist* and *Guthlac* are taken up. In connection with these poems especial

study is devoted to the syntax of Old English, and a series of lectures is given by the instructor. Practical exercises accompany the lectures as in the case of the course in Phonology.

The most advanced graduate students in English are expected to unite with the instructors in the English seminary. Reports are assigned to individual members, which are then read and discussed by the whole seminary; and all the members of the seminary are required to make themselves familiar with the literature of the special topic selected for each meeting.

In the year 1892-93 a seminary was conducted by Dr. Thomas and Dr. Bruce. The subject of study was Chaucer. The *Knight's Tale*, and subsequent treatments of the same theme in English Literature, were first studied comparatively, and the problems concerning the relation of this work to the older *Palamon and Arcite* were thoroughly discussed. The tales of the *Second Nun*, *Clerk*, *Man of Law* and *Squire* were taken up in a similar manner; also, *The House of Fame*, *The Legend of Good Women*, and *The Romaunt of the Rose*. The work of the seminary consisted of reports by individual students, the literature of each subject being assigned at the close of the preceding meeting by the professor presiding. An attempt was made to secure an exhaustive examination of the literature of each successive subject, whether existing in English or in foreign books, articles or dissertations. After the reading of reports, the members of the seminary took part in a free and full oral discussion of the matter presented.

In the year 1893-94 the seminary was conducted by Dr. Bruce. The subject of the year was Anglo-Saxon Literature. The various branches of the Anglo-Saxon Literature were taken up in the same order of discussion as in the third division of Wülker's *Grundriss*, and the most important and most recent literature in the form of dissertations and articles in scientific periodicals was assigned to members of the class for report and discussion. Lectures on subjects relating to particular pieces were also given from time to time.

In the year 1895-96 there will be seminary work in Middle English Romance literature, especially the romances of the Arthurian cycle.

German.

The instruction in German is under the direction of Dr. Hermann Collitz, Associate Professor of Comparative Philology and German, and Miss Rose Chamberlin, Reader in German.

GRADUATE COURSES.

Dr. Collitz offers no graduate courses in 1894-1895, except the courses offered under the head of General Teutonic Philology.

Miss Chamberlin offers the following graduate course:

Middle High German,

Twice weekly throughout the year.

This course consists of the elements of Grammar and reading of the *Nibelungenlied*.

GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Hermann Collitz, Associate Professor of Comparative Philology and German. Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the

study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and that of general comparative philology.

There is still much opportunity for original research in Teutonic philology, and it is hoped that students who have completed the full course will be able to take an active part in it.

GRADUATE COURSES.

Dr. Collitz offers the following graduate courses :

FIRST YEAR.

General Phonetics,

Once weekly during the first semester.

This course of lectures has been given in former years as part of the "Outlines of Teutonic Philology." It is now offered as a separate course, so as to enable graduate students in other philological departments to elect it. "The importance of phonetics as the indispensable foundation of all study of language—whether that study be purely theoretical or practical, as well—is now generally admitted. . . . The proper way of studying phonetics is to go through a regular course under a competent teacher, for phonetics can no more be acquired by reading than music can."

Gothic,

Once or twice weekly throughout the year.

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Wright's *Primer of the Gothic Language* (Oxford, 1892); or Braune's *Gotische Grammatik* (3d ed., Halle, 1887); and Heyne's *Ulfilas* (8th ed., Paderborn, 1885), are used as text books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible.

Old High German,

Once weekly throughout the year.

This course is offered to students acquainted with Gothic and Middle High (or at least Modern) German, and includes a practical study of Old High German grammar, and a comparison of the old High German sounds and forms with those of Middle and Modern High German. Selections are read from O. H. G. texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the differences between the O. H. G. dialects.

Students selecting this course are expected to provide themselves with Braune's *Abriss der althochdeutschen Grammatik* (Halle, 1891), and with the same author's *Althochd. Lesebuch* (3d ed., Halle, 1888).

Middle High German Grammar and reading of Middle High German Texts,

Twice weekly throughout the year.

This course includes a brief abstract of Middle High German grammar, with especial reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's *Armer Heinrich* is read, and is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied*. In the second semester, Middle High German lyric poetry is studied in selections from Walther von der Vogelweide and other Minnesingers, and Middle High German knightly epic poetry in the works of its three main representatives: Hartmann (*Iwein*), Wolfram von Eschenbach (*Parzival*), and Gottfried von Strassburg (*Tristan*).

Students of Middle High German should be provided with Wright's *Middle High German Primer* (Oxford 1888); and with Paul's *Mittelhochd. Grammatik* (3d ed., Halle, 1889).

This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading will include the works of the authors treated in the course.

Introduction into the study of Teutonic Philology,

Once weekly during the second semester.

These lectures formerly constituted the introductory portion of the second year's graduate course in comparative Teutonic Grammar.

The following subjects are treated with especial attention: Teutonic in its relation to the cognate Aryan language; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar (including problems like those of the relationship of dialects, of the consistency of phonetic laws, etc.); a brief history of Teutonic Philology.

SECOND AND THIRD YEAR.

Old High German (*continued from first year*),

Once weekly during the first semester.

Old Saxon,

Once weekly during the second semester.

This course presupposes on the part of the students a sufficient knowledge of Gothic, Anglo-Saxon, and Old High German. Gallée's *Altsächsische Grammatik* (Halle, 1891); the *Heliand* (in Sievers' or Heyne's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894), will be used.

Old Norse,

Once weekly throughout the year.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention will be paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts to be read, selections from the younger and the older *Eddas* will take a prominent place. The critical reading of songs from the elder *Edda* will be supplemented by a discussion of the different views on the structure of the Old Germanic alliterative verse.

The books to be used are Sweet's *Icelandic Primer* (Oxford, 1886); Noreen's *Altnordische Grammatik* (2d ed., Halle, 1892); and Hildebrand's *Edda* (Paderborn, 1876), with Gering's *Glossar* (Paderborn, 1887).

The Teutonic department would like to call attention to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, has been recently acquired by Bryn Mawr College, and hence the library is probably better supplied than any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

Comparative Teutonic Grammar,

Twice weekly throughout the year.

The study of Comparative Teutonic Philology is recommended to those students only, that are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the single old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

Teutonic Seminary,

Once weekly throughout the year.

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The exercises will consist mainly of a discussion of special topics by the instructor and the students. The subjects for discussion are announced in advance, and the members of the seminary are ex-

pected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

ROMANCE LANGUAGES.

French.

The instruction in Romance Languages is under the direction of Dr. Joseph A. Fontaine, Professor of Romance Languages, Mr. Frederic M. Page, Reader in Romance Languages, and Madame Thérèse F. Colin, Reader in Romance Languages.

GRADUATE COURSES.

Post-major and graduate courses in Old French, Romance Literature, and Philology are offered. They are varied from year to year, and the number of courses and the hours given to each course weekly will be determined by the needs of the students.

The graduate literary work is directed towards a special treatment of some such subjects as the development of the early French drama; French tragedy in the 18th century; the Romantic drama; conditions and tendencies of modern French literature, considered together with modern French criticism.

Graduate students interested in the study of literature will find it to their advantage to attend Dr. Fontaine's lectures on French literature twice weekly throughout the two years of the major course in French.

Dr. Fontaine offers the following graduate courses:

Old French Phonetics, *Twice weekly throughout the year.*

Old French Literature and Comparative Syntax, *Once weekly throughout the year.*

French Drama. *Once weekly throughout the year.*

In 1895-96 Dr. Fontaine will offer courses in the Critical Reading of Old French Texts; French Philology (Morphology and Phonetics); Comparative Study of Old and Modern French Syntax; Comparative Romance Philology (Morphology and Phonetics); Comparative Survey of French, Italian and Spanish Literature; Dramatic French Literature, from its earliest period down to the 16th century.

Italian and Spanish.

The instruction in Italian and Spanish is under the direction of Dr. Joseph A. Fontaine, Professor of Romance Languages, and Mr. Frederic M. Page, Reader in Romance Languages.

GRADUATE COURSES.

Mr. Page offers the following graduate courses:

1st Semester.

Syntax and composition.
Private readings in Spanish literature.
Lectures on the origin of the Spanish drama and the dramatists.
Reading of dramas of the 16th century.

2nd Semester.

Syntax and composition.
Private readings in Spanish literature.
Lectures on the drama of the 17th century.
Reading of dramas of the 17th century.

In 1895-96 graduate courses will be offered in Old Italian and Old Spanish.

MAJOR COURSES.

Mr. Page offers the following minor and major courses, open to graduate students:

FIRST YEAR.
(*Minor Course.*)

Italian,

Three times weekly throughout the year.

Although the instruction, during the first year in Italian, must necessarily be linguistic rather than literary, the texts employed in class and for the private reading are of such quality and number as to lead the student to appreciate in a certain measure the range of modern Italian literature.

Besides a systematic course in Italian grammar and composition, the year's work includes the critical reading of Baredi's *Notte Bizzarra*; De Amicis' *Alberto*; thirty cantos selected from Dante's *Inferno* and *Purgatorio*; Pellico's *Francesca da Rimini*; also selections from Manzoni's *Promessi Sposi*; De Amicis' *Vita Militari*; and Tasso's *Gerusalemme Liberata*. As soon as practicable a certain amount of private reading is assigned.

Spanish,

Twice weekly throughout the year.

The first year's course in Spanish follows, as far as possible, the plan adopted in Italian.

The material for class and private reading is mainly drawn from the works of nineteenth century authors, such as Fernan Caballero, Selgas, Valera, Castelar, etc.; but it also includes three dramas selected from the works of Lope de Vega, Calderon, and Alarcon.

SECOND YEAR.
(*Major Course.*)

Italian,

Three times weekly throughout the year.

The second year's course includes: *a*, a critical study of Dante's *Paradiso* and *Vita Nuova*, and selections from Ariosto's *Orlando Furioso*; *b*, one representative drama from the works of Goldoni, Alfieri, and Manzoni, a critical survey of the Italian literature of the beginning of the nineteenth century; and also a survey of the Italian literature of the fourteenth and fifteenth centuries.

A course of private reading is selected to represent the Italian literature of the first quarter of the nineteenth century.

Spanish,

Twice weekly throughout the year.

The principal subjects of study for the second year are drawn: *a*, from the Spanish literature of the seventeenth century, *i.e.*, the best works of Cervantes and the great dramatists; and *b*, from the works of the more modern literary movement in Spain.

The private reading is selected from nineteenth century authors.

CELTIC AND SLAVONIC LANGUAGES.

Dr. Hermann Collitz, Associate Professor of Comparative Philology and German, offers courses in these languages to students of comparative Aryan or of comparative Teutonic philology. Such students will find it of great advantage to gain at least some knowledge of Old Irish and Old Slavonic. Courses will also be arranged for students that prefer to study Lithuanian or any of the more important living Slavonic languages (Russian, Polish, or Servian).

SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in Semitic languages is under the direction of Dr. George A. Barton, Associate in Biblical Literature and Semitic Languages.

The courses in Semitic languages and Biblical literature are varied from year to year, so as to form a three years' course for those students that wish to make them the chief subject in the examination for the degree of Doctor of Philosophy; not more than ten hours of lectures will be given in any one year, the courses selected being decided by the needs of the students.

The College was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is particularly rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. These books, together with those already owned by the College and those easily accessible in neighboring libraries, form a good equipment for the specialist in Biblical or Semitic study.

GRADUATE COURSES.

Dr. Barton offers the following graduate courses:

Beginning Hebrew,

Twice weekly throughout the year.

This course comprises a thorough study of the elements of the language, and the interpretation of parts of Genesis and Deuteronomy. It aims to enable the students to read ordinary Hebrew at sight.

Advanced Hebrew,

Three times weekly during the first semester.

The class studies some of the historical books of the Old Testament, and after the first month interprets the prophetic books. Throughout the course there is thorough drill in Hebrew syntax.

Hebrew or Old Testament Seminary, *Once weekly throughout the year.*

The Psalms are the special topic of study for the present year in the Seminary. Selected Psalms are interpreted, and critical questions relating to the Psalms are discussed.

Advanced Assyrian, *Once weekly during the second semester.*

In this course the inscriptions of Esarhaddon are interpreted. Especial attention is also given to Assyrian syntax.

History of Israel, *Twice weekly throughout the year.*

The history of Israel is studied from the Patriarchal time to the fall of Jerusalem in 70 A.D. The political and social history is especially emphasized, and the relation of Israel to the great empires of the East is noted. The course concludes with a study of the life of Christ, and the life of Paul.

The Cuneiform Inscriptions and the Old Testament, *Once weekly throughout the year.*

This course is given largely by lectures, in which the following topics are treated:—the history of the Babylonian-Assyrian peoples, based on their own records; a brief study of the every-day life of the people as revealed in their commercial documents; the literature and art of Assyria and Babylon; and lastly, the numerous points in which the cuneiform inscriptions touch Israelitish thought and history.

Patristic Greek, especially the sub-Apostolic literature, *Twice weekly throughout the year.*

This course presupposes a knowledge of classical Greek. Its object is two-fold; first, to gather patristic material for New Testament criticism; and, secondly, to gain a view of the history of the early Christian Church. The reading is selected from Clement of Rome, Ignatius, Polycarp, the Epistle of Barnabas, the Epistle to Diognetus, and the Shepherd of Hermas, and is accompanied by a discussion of the critical questions connected with the authors read, and an introduction to the works of the principal Fathers down to Chrysostom and Augustine. This course alternates with one of the Semitic courses.

Historical Outlines of Christian Thought, *Once weekly throughout the year.*

The lectures give a brief survey of Christian thought in the epoch-making periods of its history, the necessary historical background being supplied by assigned readings in works on ecclesiastical history. A sketch is given of the state of Christian thought at the end of the first century, the Ebionitic, Gnostic, and Montanistic movements of the second century and the positions taken by Irenæus, Tertullian, and Clement of Alexandria are treated, the thought of the Alexandrian Fathers of the period being especially emphasized. The work of Athanasius, the system of Augustine, its causes, and its influence on the Middle Ages is next considered. The Reformation and the theology of Luther, Zwingli, and Calvin is outlined, and a special study is made of the condition of England in the seventeenth century and of the rise of the Society of Friends, the historical affinities of their thought and their relationship to the various religious and philanthropic movements of the seventeenth and succeeding centuries. The course closes with a sketch of the Deistic movement in England and France, the Aufklärung and rationalistic movements in Germany, the thought of Schleiermacher, the origin and effects of Biblical criticism, and the renaissance of modern theology.

New Testament Seminary, *Once weekly throughout the year.*

The subject for the present year is the study and criticism of the New Testament Apocalypse.

Dr. Barton will offer the following graduate courses in 1895-96:

Advanced Hebrew,

Twice weekly throughout the year.

This course will consist of the interpretation of selections from the prophetic books and the Psalms, including a study of syntax, and sight reading from the historical books.

Advanced Assyrian,

Twice weekly throughout the year.

This course will consist of the interpretation of selections from the royal annals, and from Assyrian poetry.

Beginning Arabic,

Twice weekly throughout the year.

This course will consist of a study of the grammar of the language, and of the interpretation of selections from the Arabic version of *Genesis*, the *Fables of Lokman*, and the *Thousand and One Nights*.

One of the following courses,

Once weekly throughout the year.

Phœnician.

This course will be practically a study of Hebrew Epigraphy, and will consist of the interpretation of the most important Phœnician inscriptions, the Moabite stone, and the Siloam inscription.

Or,

The Cuneiform Inscriptions and the Old Testament.

Or,

History of the Arabic Caliphates and Civilization.

One of the following courses,

Twice weekly throughout the year.

Beginning Hebrew.

Or,

Beginning Assyrian.

Or,

New Testament Greek (*see page 30*).

Or,

Patristics.

One of the following courses,

Twice weekly throughout the year.

Advanced Biblical Literature.

This course will consist of a study of the authorship, composition, and date of the Biblical books.

Or,

Political and Social History of Israel.

Or,

History and Progress of Religious Ideas in the Old and New Testaments.

The choice of courses in the above groups will be determined by the needs of the students.

Historical Outlines of Christian Thought,

Once weekly throughout the year.

Journal Club.

The students will meet once fortnightly for the discussion of important articles which appear in the Biblical and Semitic journals.

HISTORY AND POLITICAL SCIENCE.

Professors and instructors: Dr. Charles McLean Andrews, Dr. Lindley Miller Keasbey.

History.

The instruction in history is under the direction of Dr. Charles McLean Andrews, Associate Professor of History.

GRADUATE COURSES.

The instruction consists mainly of lectures, which are designed to create an interest in, and a truer conception of, the broad lines of historical development, while constant references are given for private reading, to stimulate accuracy in detail and independence in judgment.

Dr. Andrews offers the following graduate courses, in addition to direction in private reading and original research:

Historical Definition, Method and Criticism,

Twice weekly throughout the year.

This course opens with lectures upon the various theories of history held during antiquity, in the middle ages, and at the present time. In these lectures the theories of Machiavelli, Bodin, Bossuet, Vico, Voltaire, Rousseau, Turgot, Condorcet, Herder, and the modern schools are presented and compared. The further topics treated are the argument for and against a philosophy and science of history, the divisions and limits of history, the different classes of historical writings, the great collections of material in Germany, France, Italy, England, and America, and the methods employed in treating such materials; historical criticism from the Renaissance to the present time, including the different kinds of evidence and their treatment, critical analysis, aids to evidence, geography, archæology, etc.

Sources of English History,

Twice weekly throughout the year.

As introductory to the regular work of this course a series of lectures is given on the printed collections of material from the seventeenth century to the present time. Three classes of material are discussed: (a) non-official material published by the English government, (b) official material published by the government, (c) private publications of individuals and societies. In this connection as full an account as possible is given of all commissions and societies, existing or defunct, appointed or organized for these purposes. The regular work of the class consists of the reading of portions of the historians and chroniclers contained in the *Monumenta Historica Britannica* and the *Rolls Series*, the study of the laws and charters in Schmid, Kemble, and Earle, and of important texts in Rymer, Stubbs, Bémont, and other available sources. In all cases where fac-similes are obtainable, as of Anglo-Saxon deeds and grants, of Domesday Book and Magna Carta, a small amount of paleographical work is done, with Prou and Martin as guides.

History of the Roman Law,

Once weekly throughout the year.

(Given in 1894-95.)

Law is studied from an historical rather than from a purely legal point of view. The object is rather to observe the steps by which custom and rules of conduct took on legal form; to examine the character of the early family law and its extension beyond the family; the nature of the early constitution of Rome; the Servian reforms; the Twelve Tables; the ancient forms of procedure; the struggle between the Patricians and Plebeians, and their gradual equalisation; the effects of the struggle upon the law; the Prætorian legislation, the Jus gentium, Jus naturale, the influence of the Stoic philosophy,

and the Christian religion ; the period of the great lawyers and the attempts at codification final codification by Justinian and the later influence through the barbarian tribes, the Church and the universities. A knowledge of Latin is indispensable for this work.

History of the Community, *Once weekly throughout the year.*
(Given in 1895-96, instead of the above.)

The course includes a detailed study of the primitive community, the manor, vill, parish and town in England, and the town, parish, hundred, county and township in America.

POST-MAJOR COURSES.

Dr. Andrews offers the following post-major courses, open to graduate students:

English Constitutional History, *Twice weekly throughout the year.*
(Given in 1894-95.)

The text-books used in this course are Stubbs' *Select Charters*, Prothero's *Constitutional Documents*, and Gardiner's *Select Documents of the Puritan Revolution*. A reading knowledge of Latin is required for admission to the course. The lectures alternate with the reading and interpretation of selected charters and constitutional documents. Each student is assigned from time to time topics upon which a report is made to the class.

American Constitutional History, *Twice weekly throughout the year.*
(Given in 1895-96.)

No text-books are used in this course, but the members of the class are systematically referred not only to the general authorities but also to colonial charters and constitutions, to the records of the colonial governments as far as they are available, to the journals of Congress, the constitutions of the separate states and of the United States, to State papers, Congressional documents, and other similar accessible material. The method of work is the same as that employed in the course in English Constitutional History. The lectures close with the period of reconstruction.

Political Science.

The instruction in political science is under the direction of Dr. Lindley Miller Keasbey, Associate Professor of Political Science.

GRADUATE COURSES.

Dr. Keasbey offers the following graduate courses:

The History of Economic Theory, *Once weekly throughout the year.*
(Given in 1895-96.)

Special periods of economic thought are assigned to each student to be worked out in detail under the direction of the instructor. A reading knowledge of French and German is indispensable for the work, and some knowledge of Italian is also desirable.

The Economic Development of America, *Once weekly throughout the year.*
(Given in 1895-96.)

Each student is expected to study for herself, under the guidance of the instructor, either the industrial development of some special portion of the American Continent, or the evolution of some peculiarly American economic institution. Original documents, in the way of archives and government reports, as well as works of a more general nature, form the material for such research.

POST-MAJOR COURSES.

Dr. Keasbey will offer in 1895-96 the following post-major course, open to graduate students:

Study of Social Evolution, *Three times weekly throughout the year.*

Philosophy.

The instruction in philosophy, psychology and logic is under the direction of Dr. Dickinson Sergeant Miller, Associate in Philosophy.

GRADUATE COURSES

Dr. Miller offers the following graduate courses :

Recent Philosophic Theories,

Twice weekly throughout the year.

(Given in 1895-96.)

The aim of the course is to secure the comprehensive and logical treatment of the problems themselves, together with the formation, on the student's part, of just and exact habits of criticism. The problems, and not the authors studied, determine the order and unity of the course. Treatises, monographs, and articles are read so far as they bear upon the subject for the time under consideration, and thus the student gains a comparative and to some extent judicial knowledge of a variety of philosophic writers and points of view.

The Philosophy of Spinoza,

Once (two hours) weekly throughout the year.

(Given in 1894-95.)

The essay *On the Improvement of the Understanding*, the *Ethics*, and portions of the *Theologico-Political Tractate* are carefully read and interpreted. The extremely suggestive views, both metaphysical and moral, of this typical thinker are examined in detail and in their broadest bearing. A comparison with Hume, the spokesman of a widely contrasted intellectual tendency and temper, will serve to throw into relief the characteristic features of Spinoza's thought. Much of the critical and analytic literature, English, German and French, relating to Spinoza is reported upon and discussed.

MAJOR COURSES.

Dr. Miller offers the following minor and major courses, open also to graduate students :

FIRST YEAR.

(Minor Course, given in 1894-95, and again in 1896-97.)

Psychology,

Three times weekly throughout the year.

With the aid of a comprehensive text-book (probably either James' *Principles of Psychology*, or the *General Psychology* of Ladd) all the main departments of the science are treated of in the course of the year by lectures, illustrative demonstrations, reports of instructive abnormal cases, and discussion.

British Philosophy of the 17th and 18th Centuries,—Hobbes, Locke, Berkeley and Hume,

Twice weekly throughout the year.

The design of this course is to acquaint the student with the classic masterpieces of British philosophy ; to arrive at an exact apprehension of the authors' meaning ; to mark in detail the gradual advance of thought ; to compare historic theories with the views now current ; and to examine into the truth, or (if obviously false) into the suggestive value of the several writers' opinions.

SECOND YEAR.

(Minor Course, given in 1895-96, and again in 1897-98.)

Problems in the Philosophy of Nature,

Twice weekly during the first semester.

In this course certain fundamental questions as to the constitution and course of nature, the meaning of natural law, the principle of cause and effect, the uniformity of nature, and

the teleological and the mechanical points of view are systematically studied. One or more text-books are employed; but the chief weight is laid upon the controversial articles and treatises to which the student is constantly referred, illustrative of the different positions taken and of the range of modern philosophic debate. The class-work consists of lectures and discussion guided by the instructor.

Continental Philosophy of the 17th Century (Descartes, Malebranche, Spinoza, Leibnitz),

Three times weekly.

This is an historical course similar in character to that on British Philosophy. Descartes's *Discours, Méditations*, and (in part) *Principia*, Malebranche's *De la Recherche de la Vérité* (in part), Spinoza's *De Intellectus Emendatione* and *Ethica*, Leibnitz's *Monadologie*, and (in part) *Theodicee*, are read.

Esthetics,

Twice weekly during the second semester.

The course treats of the psychology and philosophy of our esthetic pleasures and displeasures, with especial reference to literature and the fine arts, and to the physiological theory of pleasure and pain. Class-work is conducted as in the first semester. Portions of the esthetic writings of Burke, Ruskin, Vischer, Fehner, Bosanquet, and Knight are considered. Expository lectures are given on the esthetic doctrines of Kant and some of his successors in the Transcendental school.

Continental Philosophy (continued),

Three times weekly during the second semester.

History of Art.

This department will be opened in 1895-96, and will be under the direction of Mr. Richard Norton, Lecturer (elect) in Archæology.

GRADUATE COURSES.

Mr. Norton will offer in 1895-96 the following graduate course:

Classical Archæology,

Twice weekly throughout the year.

This course will be open only to students of Greek and Latin.

POST-MAJOR COURSES.

Mr. Norton will offer in 1895-96 the following post-major course, open to graduate students:

History of Greek Art,

Twice weekly throughout the year.

History of Italian Art,

Twice weekly throughout the year.

Mathematics.

The instruction in mathematics is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Mr. James Harkness, Associate Professor of Mathematics.

GRADUATE COURSES.

The Graduate Courses consist of lectures and seminary work, supplemented by private reading under the direction of the instructors, the

courses being varied from year to year with reference to the wishes and the preparation of the students concerned, so that while the course in any one year is complete in itself, a graduate student may, if she wish, follow the courses for more than two consecutive semesters.

Dr. Scott offers the following graduate course:

Seminary Work, *Once weekly, or oftener if required, throughout the year.*

This course consists of individual discussion and investigation of topics in Advanced Analytical Geometry.

Mr. Harkness offers the following graduate course:

Theory of Groups, *Twice weekly throughout the year.*

This course presupposes a general acquaintance with the main processes and results in the Theory of Functions. During the first semester the lectures are mainly along the lines of the standard treatises on the subject: Serret's *Cours d'Algèbre Supérieure*; Jordan's *Traité des Substitutions*; Netto's *Substitutionentheorie* (translated by Dr. F. N. Cole); while in the second semester attention is paid to recent French and German researches on Modular and Auto-morphic Functions.

Dr. Scott will offer the following graduate course in 1895-96:

Higher Plane Curves, Theories of Transformation and Correspondence.

Twice weekly throughout the year.

The lectures will deal with Cremona and birational transformations, and with the theory of Correspondence, presupposing a general knowledge of the theory of Plane Algebraic Curves as given, *e.g.*, in the first four or five chapters of Salmon's *Higher Plane Curves*. To a certain extent the lectures will relate to chapter 8 of this work, and to chapters 4 and 6 of Clebsch, *Vorlesungen über Geometrie*; but so much of the development of the subject is quite recent that the greater part of the reading recommended will consist of memoirs in the various mathematical periodicals, and a reading knowledge of French and German will therefore be found absolutely essential.

Mr. Harkness will offer the following graduate course in 1895-96:

Theory of Functions, *Twice weekly throughout the year.*

A knowledge of the elements of the Theory of Functions will be presupposed, and the lectures will deal with Riemann's and Weierstrass's methods. The object of the course being to provide the student with a working knowledge of Elliptic and Abelian integrals and functions, particular attention will be paid to algebraic functions and their associated Riemann Surfaces. Frequent references will be made to recent memoirs in French and German periodicals; it is therefore important that students attending this course should have a reading knowledge of French and German.

POST-MAJOR COURSES.

Dr. Scott offers the following post-major course, open to graduate students:

Modern Analytical Geometry, *Twice weekly throughout the year.*

The text-books used are Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*.

Mr. Harkness offers the following post-major course, open to graduate students:

Modern Algebra and Elements of the Theory of Functions,

Twice weekly throughout the year.

Dr. Scott will offer in 1895-96 the following post-major course, open to graduate students:

Modern Pure Geometry,

Twice weekly throughout the year.

The regular text-book will be Reye, *Die Geometrie der Lage*; but graduate students wishing for a more extended course in Pure Geometry are invited to arrange for additional reading, with such discussion as may prove necessary.

Mr. Harkness will offer in 1895-95 the following post-major course, open to graduate students:

Higher Algebra,

Twice weekly throughout the year.

Reference will be made to the works of Salmon, Gordan, and Clebsch.

SCIENCE.

Professors and instructors: Dr. Arthur Stanley Mackenzie, Dr. Edgar Buckingham, Dr. Edward H. Keiser, Dr. Elmer P. Kohler, Dr. Thomas Hunt Morgan, Dr. Joseph W. Warren, Dr. Ross Granville Harrison, Dr. Harriet Randolph, Dr. Florence Bascom (elect).

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, biological, and physical laboratories are open for students throughout the day.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purposes of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories and lecture-room are carefully furnished with the necessary apparatus needed for thorough work.

Physics.

The instruction in physics is under the direction of Dr. Arthur Stanley Mackenzie, Associate Professor of Physics, and Dr. Edgar Buckingham, Associate in Physics.

GRADUATE COURSES.

The graduate work in physics consists of exercises intended to give the student a knowledge of physical methods and operations. There are lectures from time to time upon selected topics. The courses for graduate students are varied from year to year so as to form a consecutive course for students that wish to make physics one of the chief subjects in the examination for the degree of Doctor of Philosophy.

The laboratory work is arranged to bring the student into contact with the methods of research; and for that purpose she begins by repeating methods and investigations of well-known experimenters, with any modification that may be suggested; then passes on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible at work in the laboratory. The new laboratory is provided with special rooms for magnetic, optical, and electrical work, and in the basement is a constant temperature vault designed for accurate comparisons of lengths, etc. The stock of apparatus is being added to yearly.

Dr. Mackenzie offers the following graduate course :

Physical Optics,

Three times weekly throughout the year.

The work in this course covers most of the ground of Basset's *Physical Optics*, but the course is wholly given by lectures, special attention being paid to a discussion of the various optical theories. Copious references, to be read in connection, are given to Green, Fresnel, Maxwell, Basset, Kirchhoff, Poincaré, etc.

Dr. Buckingham offers the following graduate course :

Thermodynamics,

Twice weekly throughout the year.

This course treats mainly of the newer applications of Thermodynamics, especially the work of Willard Gibbs, Helmholtz, and van't Hoff. References are made to Duhem's *Le potentiel thermodynamique et ses applications* (Hermann, 1886, Paris).

Drs. Mackenzie and Buckingham conduct the following graduate seminars :

Physical Seminary,

Monthly throughout the year.

All advanced students are expected to meet with the instructors once a month to hear or read papers on assigned topics.

Journal Meeting,

Three times a month throughout the year.

Dr. Mackenzie will offer the following graduate course in 1895-96:
Theory of Electricity and Magnetism, *Three times weekly throughout the year.*
The course will be given by lectures and will be based on Maxwell's standard treatise.

Dr. Buckingham will offer the following graduate course in 1895-96:

Thermodynamics, *Twice weekly throughout the year.*

POST-MAJOR COURSES.

Dr. Mackenzie offers the following post-major course, open to graduate students:

Theory of Electricity and Magnetism, *Twice weekly throughout the year.*

This course begins with a rapid review of the ground covered in the lectures on the same subject during the major course; then the students are introduced to the more complete discussion of the subject, with frequent references to Mascart et Joubert, Maxwell, etc., but the course is given wholly by lectures.

Dr. Mackenzie will offer in 1895-96 the following post-major course, open to graduate students:

Theory of Light, *Twice weekly during the first semester.*

This course will begin with a review of some parts of Preston's *Light*, and then proceed to develop double refraction, polarization, and diffraction. No one text-book will be used, but parts of the following authors will be selected for reference: Mascart, Poincaré, and Basset.

Dr. Buckingham will offer in 1895-96 the following post-major course, open to graduate students:

Theory of Sound, *Three times weekly during the second semester.*

The lectures will treat chiefly of the work of Helmholtz, and selections from Lord Rayleigh's treatise.

Chemistry.

The instruction in chemistry is under the direction of Dr. Edward H. Keiser, Professor of Chemistry, and Dr. Elmer P. Kohler, Associate in Chemistry.

GRADUATE COURSES.

The graduate courses in this department consist of exercises intended to give the student a comprehensive knowledge of chemical methods and operations, and of difficult and typical operations. There are also lectures from time to time upon selected topics, and upon the more recent researches in organic and inorganic chemistry. The students make researches on assigned topics, and are required to become familiar with the literature bearing on their practical work. A knowledge of French and German is therefore necessary. The courses are varied from year to

year, so as to form a consecutive course for students that wish to make chemistry one of the chief subjects in the examination for the degree of Doctor of Philosophy.

Dr. Keiser offers the following graduate course :

Theoretical and Physical Chemistry, *Once weekly throughout the year.*

Dr. Kohler offers the following graduate course :

Advanced Organic Chemistry, *Once weekly throughout the year.*

Drs. Keiser and Kohler conduct the following graduate seminaries:

Chemical Seminary, *Once weekly throughout the year.*

The post-major and graduate students meet to hear lectures and reports upon selected topics in organic and inorganic chemistry.

Journal Meeting, *Once weekly throughout the year.*

The advanced students meet to hear reports and hold discussions on scientific articles as they are published.

Geology.

This department will be opened in 1895-96, and will be under the direction of Dr. Florence Bascom, Reader (elect) in Geology.

GRADUATE COURSES.

Dr. Bascom will offer in 1895-96 a graduate course in Geology, open to graduate students that wish to make Geology a minor subject for the Ph.D. degree.

The course will consist of lectures, *once weekly*; laboratory work, *once weekly*, and field work.

POST-MAJOR COURSES.

Dr. Bascom will offer in 1895-96 a post-major course in Geology, open to graduate students, and to undergraduate students that have studied chemistry for at least one year.

This course will consist of lectures, *twice weekly*; laboratory work, *twice weekly*, and field work.

Biology.

The instruction in biology is under the direction of Dr. Thomas Hunt Morgan,* Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Ross Granville Harrison, Lecturer in Morphology, and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany.

* Absent in Europe on leave of absence for 1894-95.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make Biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Morgan, or in animal physiology under the guidance of Dr. Warren. It is desirable that as much laboratory work as possible should be done in connection with the courses, the object being to give students a practical knowledge of instrumental methods so far as it is possible with the apparatus at hand. This work will be strictly individual, and determined by the qualifications and in part by the desires of each student. As far as possible it will be original investigation of some special problem.

Dr. Warren offers the following graduate course :

Physiology, *Once weekly throughout the year.*

The topic chosen depends somewhat upon the previous work of the students attending this course.

The lectures in 1895-96 will probably be on the Physiology of the Special Senses and, perhaps, also on Methods of Research, especially the Graphic Method.

Dr. Harrison offers the following graduate course:

Advanced Biology, *Once weekly throughout the year.*

Special Problems in the Morphology of Vertebrates.

Drs. Warren and Harrison conduct the following graduate seminaries :

Seminary, *Once fortnightly throughout the year.*

The students meet for the formal presentation of topics assigned them.

Journal Club, *Once fortnightly throughout the year.*

The students meet for the presentation and discussion of current biological literature.

Dr. Morgan will offer the following graduate course in 1895-96.

Structure of Protoplasm and the Cell, *Once weekly throughout the year.*

POST-MAJOR COURSES.

Dr. Morgan offers the following post-major courses, open to graduate students:

Embryology, *Once weekly throughout the year.*

(*Not given in 1894-95.*)

A course of lectures on the embryology of the vertebrates. The more important embryological problems will be discussed in connection with these lectures. An attempt is made to present such fundamental questions as gastrulation, acquisition and loss of food-yolk, concrescence, etc., and the evidence given by the ontogeny of vertebrates towards the solution of phylogenetic problems is examined.

General Zöology,

(*Not given in 1894-95*).

Once weekly throughout the year.

A course of lectures or recitations accompanied by demonstrations and laboratory work. The course is intended to cover the ground of such text-books as Hatschek's *Lehrbuch*, or Lang's *Vergleichende Anatomie*. In connection with the work a few of the important monographs of the large groups are studied.

Dr. Warren offers the following post-major courses, open to graduate students:

Advanced Physiology,

Once weekly throughout the year.

The topics to be selected depend upon the previous training of the students, and as far as possible the preferences of the student are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation.

Lectures and Recitations on the Structure and Functions of the Central Nervous System,

Once weekly throughout the year.

Laboratory work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. Some special problem, moreover, will be assigned to each student. At the end of the year the results of the work will be presented in writing.

COLLEGE BUILDINGS.

The college buildings are situated ten miles west of Philadelphia, on the Pennsylvania Railroad, a quarter of a mile from the Bryn Mawr Station; the neighboring country is agreeable and very healthful, and towards the west there is a fine prospect of hills. The College grounds cover over fifty acres, and include lawns and tennis courts; they are surrounded by private villas.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains the library, lecture-rooms, seminary and reading-rooms for graduate students and the offices of administration.

In January, 1893, the scientific departments of the College were transferred to Dalton Hall, a large building erected by the Trustees out of funds in large part contributed by the generosity of friends of the College. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries and the private rooms of the professors of science. The first floor and the basement are reserved for Physics, the second floor is reserved for Biology, and the

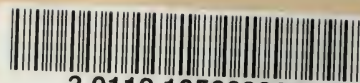
third floor for Chemistry. The fourth floor contains research-rooms for advanced students and a museum. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnae and students.

Around Taylor Hall the Trustees have erected five halls of residence for the accommodation of students. The plans of these halls of residence, and of Taylor Hall and Dalton Hall, as well as the general Program, containing a full account of all the graduate and undergraduate courses offered in 1894-95 and in 1895-96, may be obtained by application to the Secretary of the College.

The Gymnasium, which is open to the students at all times, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the Director, with an adjoining room for the examination and record of the physical development of the students, and bathrooms for use after exercise. In the basement is a swimming tank, seventy-five feet long, twenty feet wide, and from four to eight and one-half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with springing boards, life preservers, and other apparatus for teaching swimming. The gymnasium has been built in accordance with the system of Dr. Sargent, is furnished with his complete apparatus, and is under the charge of a Director who has completed his course of instruction, and an assistant trained in the Swedish system.

There is on the grounds, separated from the other buildings, a Cottage Infirmary or Hospital with accommodations for patients and nurses, and its own kitchen and bath-rooms.

Near the College is a Telegraph Office, Adams' Express Office, and United States Money Order Office. There are good roads in every direction. Riding horses and phaetons may be kept in a livery stable near the College, at a cost of twenty-five dollars a month.



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